



United States
Department of
Agriculture

Foreign
Agricultural
Service

Circular Series
WAP 9-20
September 2020

World Agricultural Production

Romania Corn: Drought Reduces Crop Production by 1.3 Million Metric Tons



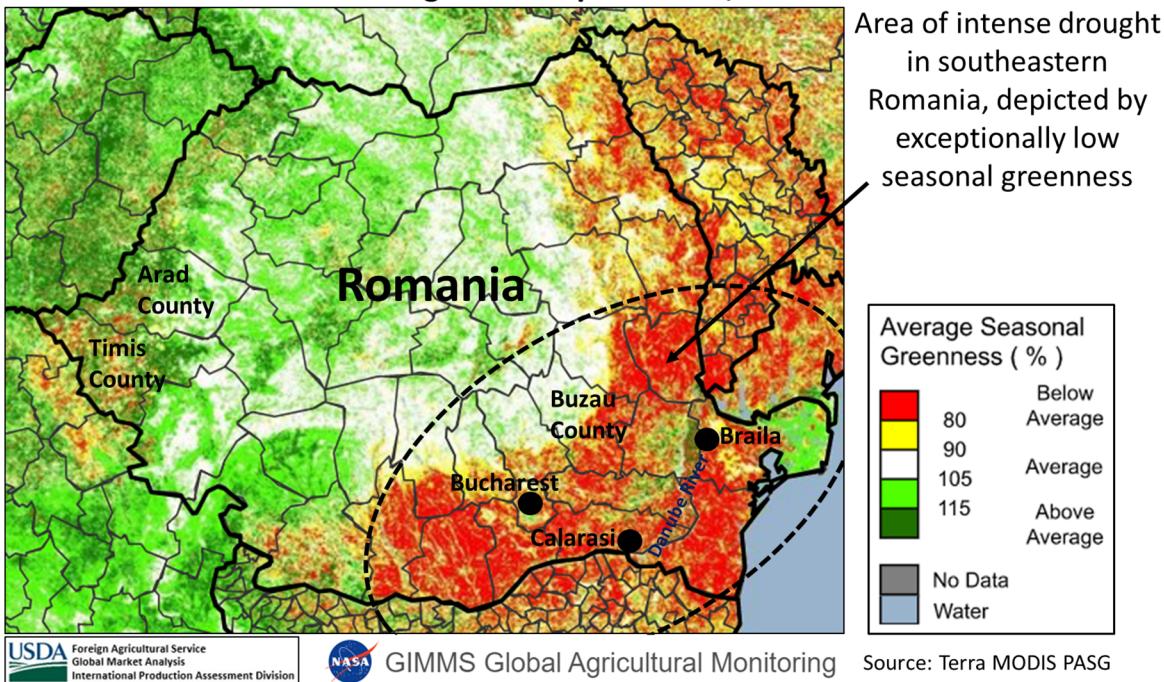
Romania corn production for 2020/21 is estimated at 11.6 million metric tons (mmt), down 1.3 mmt (10 percent) from the last month, down 2.8 mmt (19 percent) from last year, and 3 percent below the 5-year average. The 2020/21 crop comes on the heels of a record of 14.3 mmt in 2019/20. Area is estimated at 2.7 million hectares (mha), unchanged from last month and last year, and up 4 percent from the 5-year average. Yield is estimated at 4.36 tons per hectare, down 10 percent from last month, down 19 percent from last year, and down 7 percent from the 5-year average.

Persistent drought in southern, southeastern, and eastern Romania has significantly lowered national yield. With a few exceptions, the main growing regions along the Danube River and the Black Sea Coast have seen too little rain to aid corn development. A few areas that have irrigation, such as the big agricultural islands in the Danube between Calarasi and Braila, have been able to mitigate the lack of rainfall. In Romania's western region, however, rainfall has been favorable and large crops are expected in the counties of Timis and Arad.

Approved by the World Agricultural Outlook Board

Romania: Percent of Average Seasonal Greenness (PASG)

August 4 – September 4, 2020

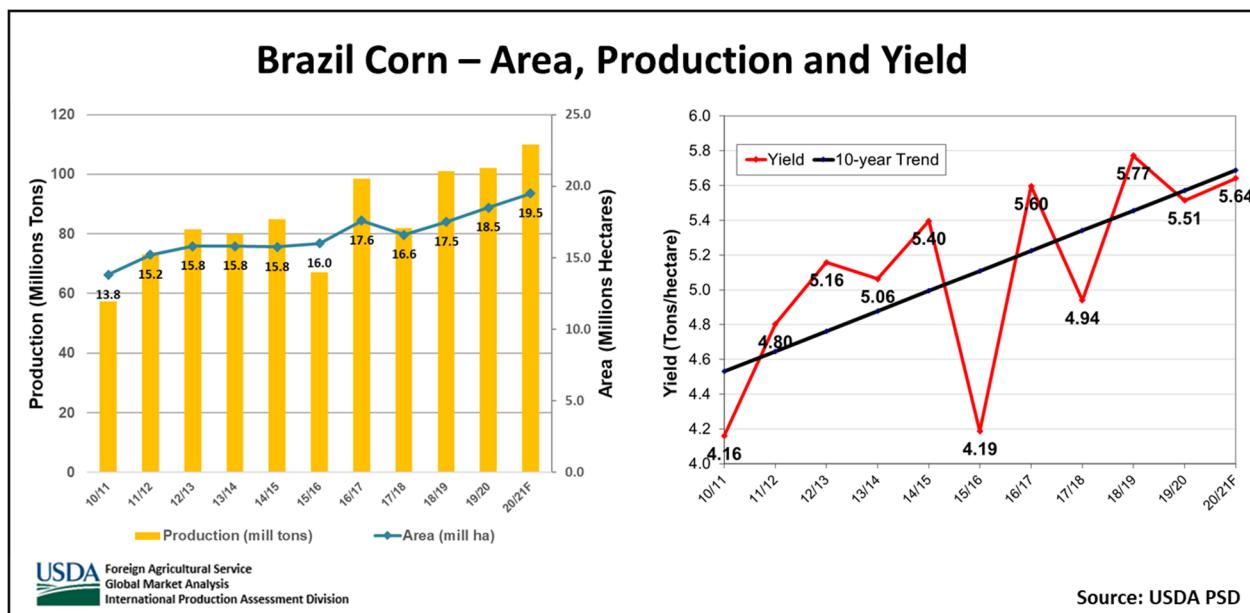


While Romania's western area is an important corn producer, its production is significantly smaller than the primary corn areas in the south and east. During August, when corn was in grain fill, the Percent of Average Seasonal Greenness (PASG) satellite measurements showed very poor conditions in southern and eastern regions of Romania. PASG depicts vegetation health and typically correlates with yield. The corn harvest usually occurs in September and October. (*For more information, please contact Bryan.Purcell@usda.gov.*)

For country-specific area, yield, and production estimates within the European Union (EU), please go to PSD Online at <https://apps.fas.usda.gov/PSDOnline/app/index.html#/app/home>, and select “Downloadable Data Sets.” Select the zipped file for “EU Countries Area & Production.”

Brazil Corn: Record Corn Crop Forecast

Total corn production in Brazil is forecast at a record 110.0 million metric tons (mmt), up 8.0 mmt (8 percent) from last year's record. USDA forecasts a record corn area in Brazil for the upcoming 2020/21 summer and winter corn crops. Total harvested area is forecast at 19.5 million hectares (mha), up 1.0 mha (5 percent) from last year's record area of 18.5 mha. Favorable market prices have driven the increase in planted area this season. Yield is forecast at 5.64 tons per hectare (t/ha), 2 percent higher than last year's crop, but 2 percent lower than the previous record of 5.77 t/ha in 2018.



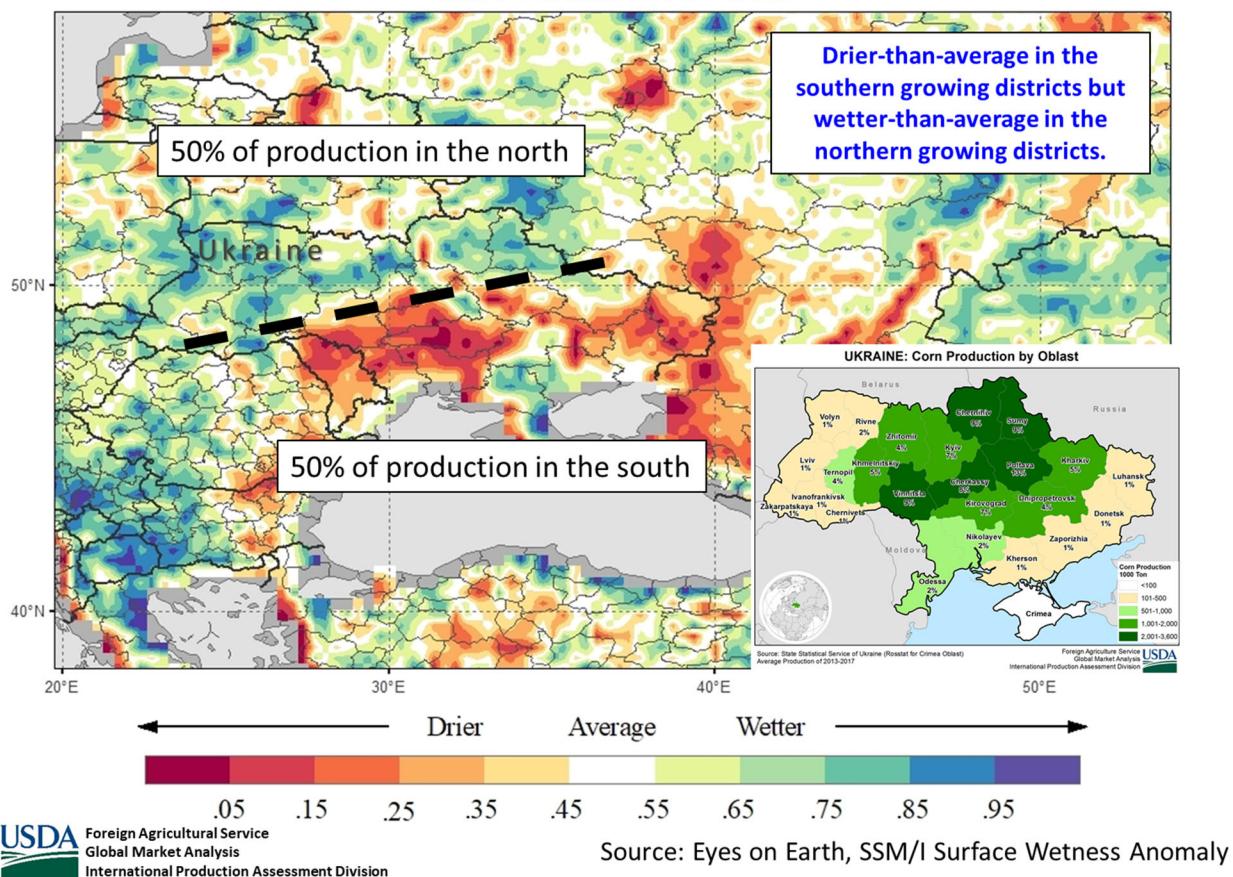
Planting has begun for the summer or first-season crop in southern Brazil, with 9 percent of the crop planted in Paraná. Recent rainfall and warmer temperatures have allowed planting to start in Rio Grande do Sul as well. Below-average temperatures with frost incidence were reported in these two states, with some germinated corn in Rio Grande do Sul adversely affected. Most regions displayed early corn growth stages that showed leaf burn but are less susceptible to severe frost damage. However, EMATER-RS (the state reporting agency in Rio Grande do Sul) reports losses in the northern regions, where planting started earlier; crops in this region may need to be replanted. Planting of corn for the winter or second-season *safrinha* crop in central Brazil will begin in mid-January 2021. The yields for next season will depend largely on rainfall variability, particularly for the larger *safrinha* crop. (*For more information, please contact Sunita.Yadav-Pauletti@usda.gov.*)

Ukraine Corn: Dry Conditions in the Corn Belt Lower Yield

Ukraine corn production for 2020/21 is estimated at 38.5 million metric tons (mmt), down 3 percent from last month but up 7 percent from last year. Yield is estimated at 7.13 tons per hectare, down 3 percent from last month and down 1 percent from last year. Harvested area is estimated at 5.4 million hectares, unchanged from last month and up 8 percent from last year.

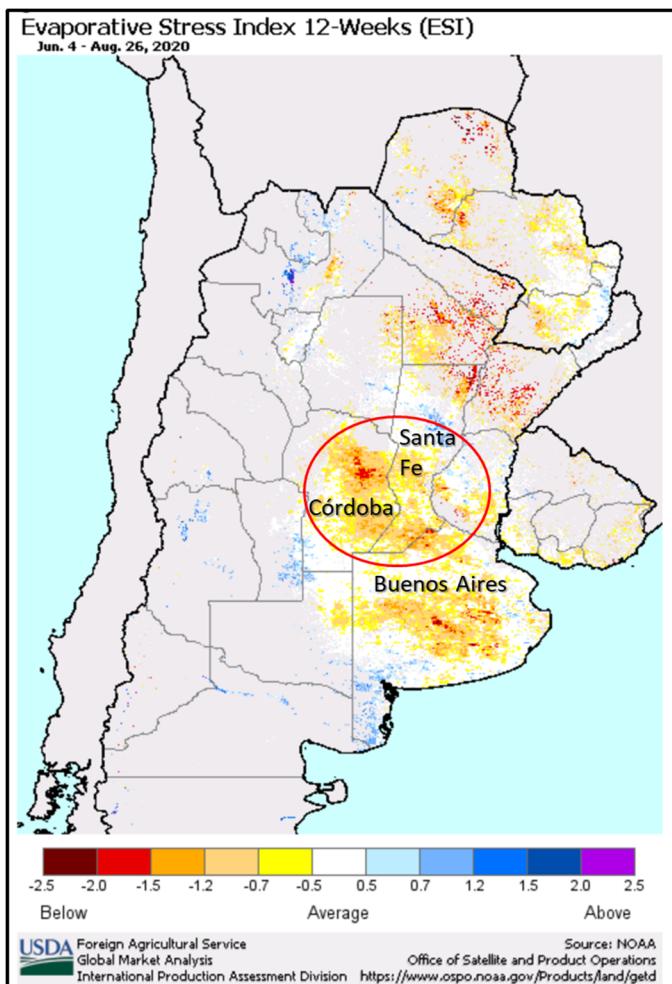
Ukraine Surface Wetness Index Anomaly for the Month of August 2020

Base Period: 1992 - 2018



The month-to-month decrease in yield is based on dryness and warmer-than-average temperatures in the southern part of the Ukraine corn belt, including the higher producing oblasts of Poltava, Cherkassy and Vinnitsia. Conditions for the crop improve as one moves south to north. Yields are still expected to be the third highest on record, even with the dry conditions, due to the increased use of hybrid varieties. Harvest has begun. USDA crop production estimates for Ukraine include estimated output from Crimea. (*For more information, please contact Katie.McGaughey@usda.gov.*)

Argentina Wheat: Dry Conditions Reduce Yield

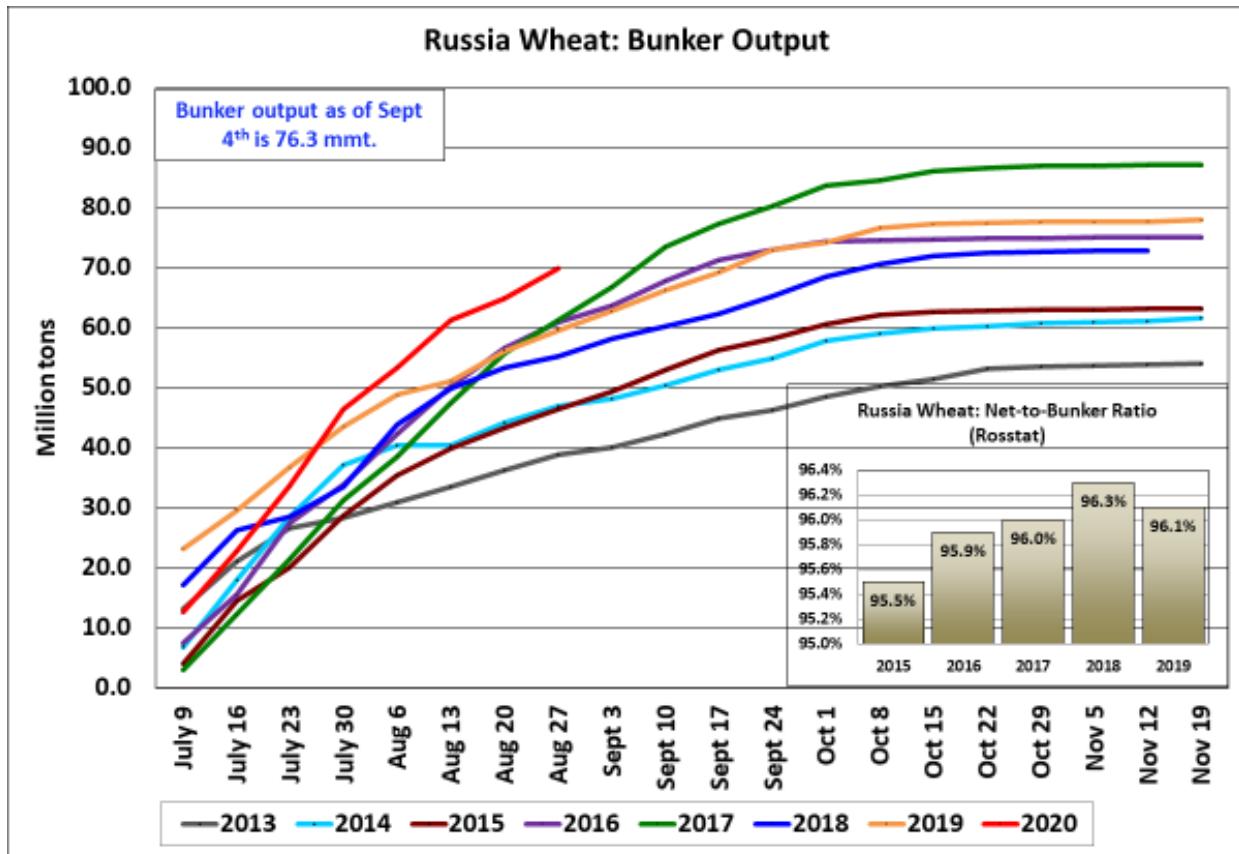


USDA forecasts Argentina wheat production for 2020/21 at 19.5 million metric tons, down 5 percent from last month and down 1 percent from last year. Area is estimated at 6.4 million hectares, unchanged from last month and down 6 percent from last year. Yield is estimated at 3.07 tons per hectare, down 5 percent from last month but up 5 percent from last year.

Yield expectations have been reduced due to dryness, particularly in the province of Córdoba. Soil moisture reserves are currently insufficient in many areas to provide the moisture needed for normal development, as depicted by the Evaporative Stress Index. Most of Buenos Aires has favorable crop expectations, but more rain is needed to keep the wheat progressing above average. Rainfall has been limited and much of the nation's crop relied on subsoil moisture during tillering and into booting. For better seed quality and weight at harvest, more rain is needed across all wheat fields within the next two weeks. (*For more information, please contact Denise.McWilliams@usda.gov.*)

Russia Wheat: Harvest is Ongoing for both the Winter and Spring Wheat Seasons

USDA estimates Russia wheat production for 2020/21 at 78.0 million metric tons (mmt), unchanged from last month, but up 6 percent from last year. The forecast includes 58.0 mmt of winter wheat and 20.0 mmt of spring wheat. USDA crop production forecasts for Russia exclude forecast output from Crimea. Total wheat yield is forecast at 2.76 tons per hectare, unchanged from last month, but up 2 percent from last year. Total area is forecast at 28.3 million hectares (mha), unchanged from last month and up 4 percent from last year.



USDA Foreign Agricultural Service
Global Market Analysis
International Production Assessment Division

Source: Russian Ministry of Agriculture

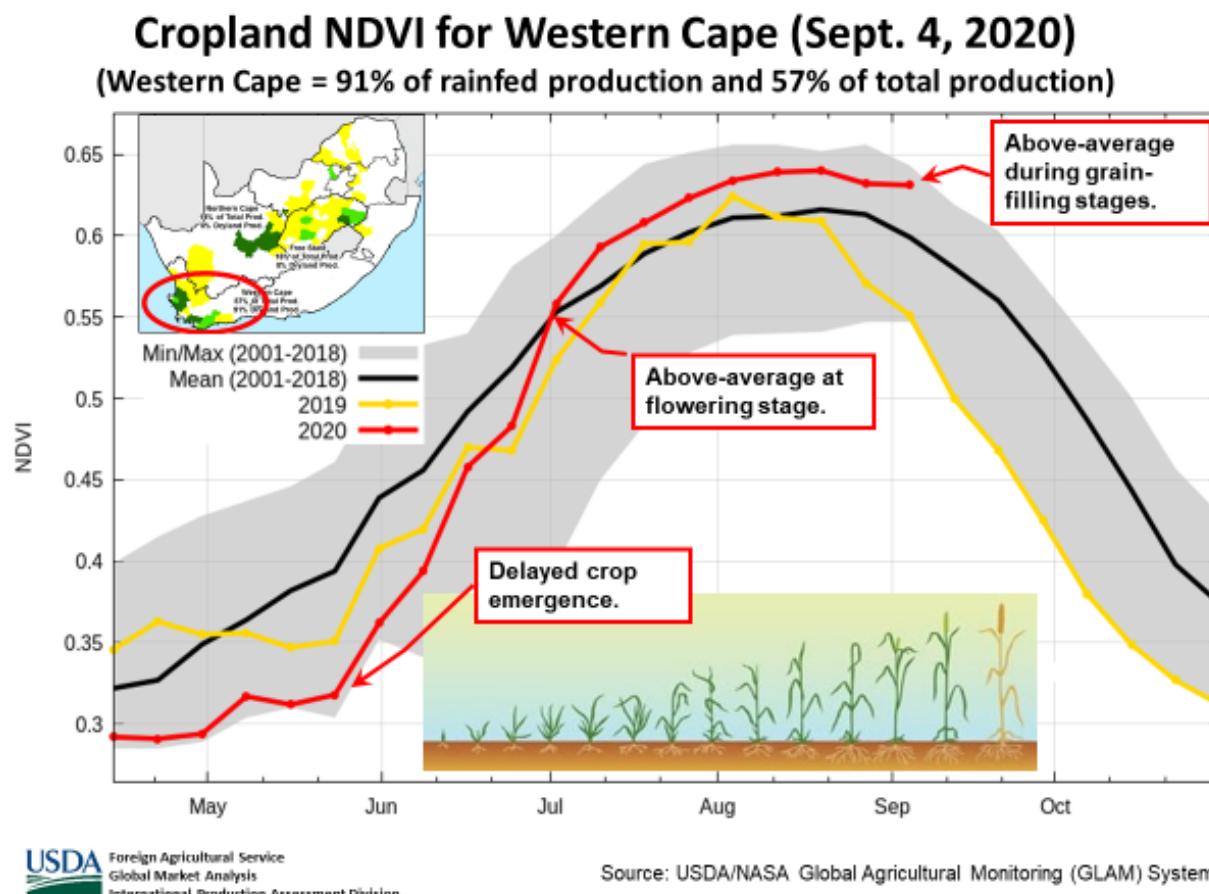
Harvest for the winter wheat season was complete as of mid-August. Conditions for the winter wheat crop remained mixed across the main wheat-growing Districts throughout the season. Issues with dry conditions in Stavropol and parts of the Southern District throughout the season were offset by a bumper crop in the Central and Volga Districts.

Spring wheat harvest is ongoing. Throughout August, there was dryness in the Volga and Urals Districts, which was beneficial for harvest. Rainfall arrived too late to help any last-minute grain fill in the Siberian District, which fared the worst out of the three. As of September 4th, the Russian Ministry of Agriculture stated that harvest was complete on 23.1 mha with a bunker output (prior to cleaning and drying) at 76.3 mmt. USDA publishes net output (not bunker output) and uses an average net-to-bunker ratio to make the conversion.

Area, yield, and production estimates for Russia winter wheat and spring wheat are available on PSD Online. Select “Downloadable Data Sets” and open the zipped file for “Russia Wheat; Winter/Spring Area & Production.” (For more information, please contact Katie.McGaughey@usda.gov)

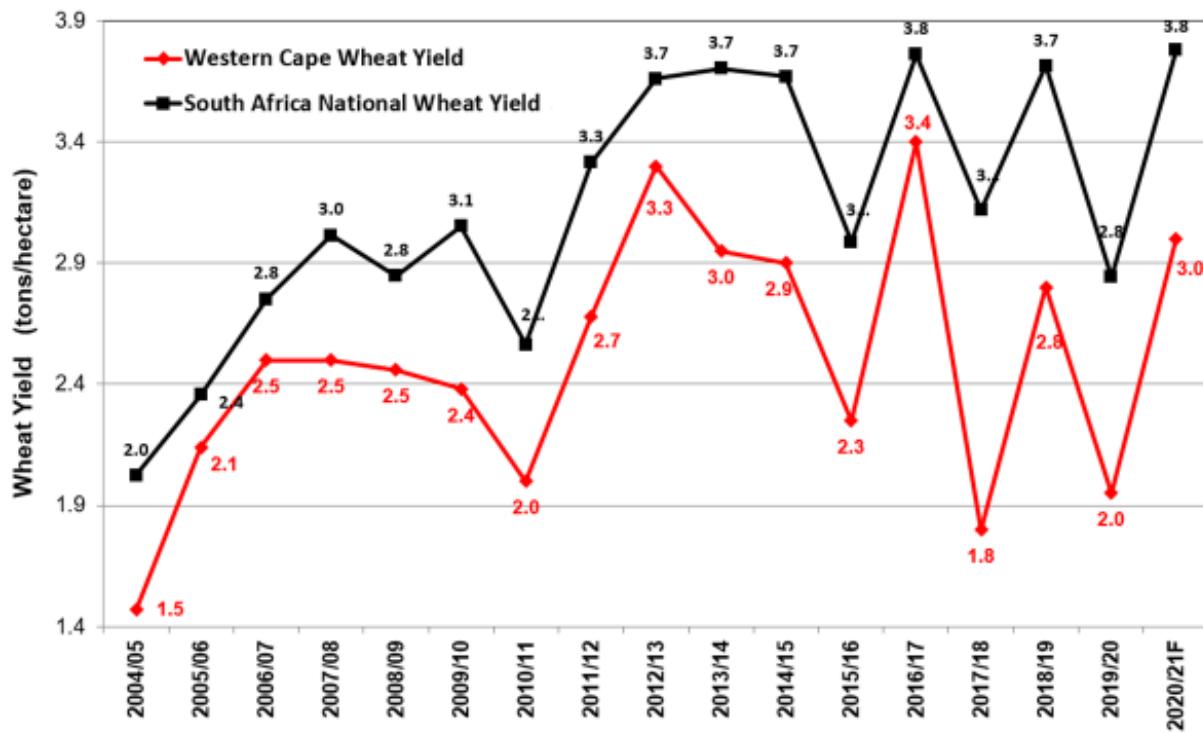
South Africa Wheat: Record Yield Forecast from Favorable Rains in Western Cape

South Africa's 2020/21 wheat production is forecast at 1.97 million metric tons (mmt), up 190,000 tons from last month (11 percent) and up 430,000 tons (28 percent) from last year. Harvested area is forecast at 520,000 hectares, unchanged from last month but down 20,000 hectares (4 percent) from last year. Yield is forecast at a record 3.78 tons per hectare due to favorable rains in Western Cape province, where over 90 percent of rainfed wheat is grown.



South Africa wheat yield tends to be above average when Western Cape receives favorable rains and weather from late May through early September. Nearly 60 percent of South Africa's wheat is grown in Western Cape, where wheat is planted in April and May and harvested from October through December. Late arrival of rains delayed planting to late May, but rainfall was favorable and well-distributed from late May through early September.

South Africa and Western Cape Wheat Yield



Foreign Agricultural Service
Global Market Analysis

International Production Assessment Division

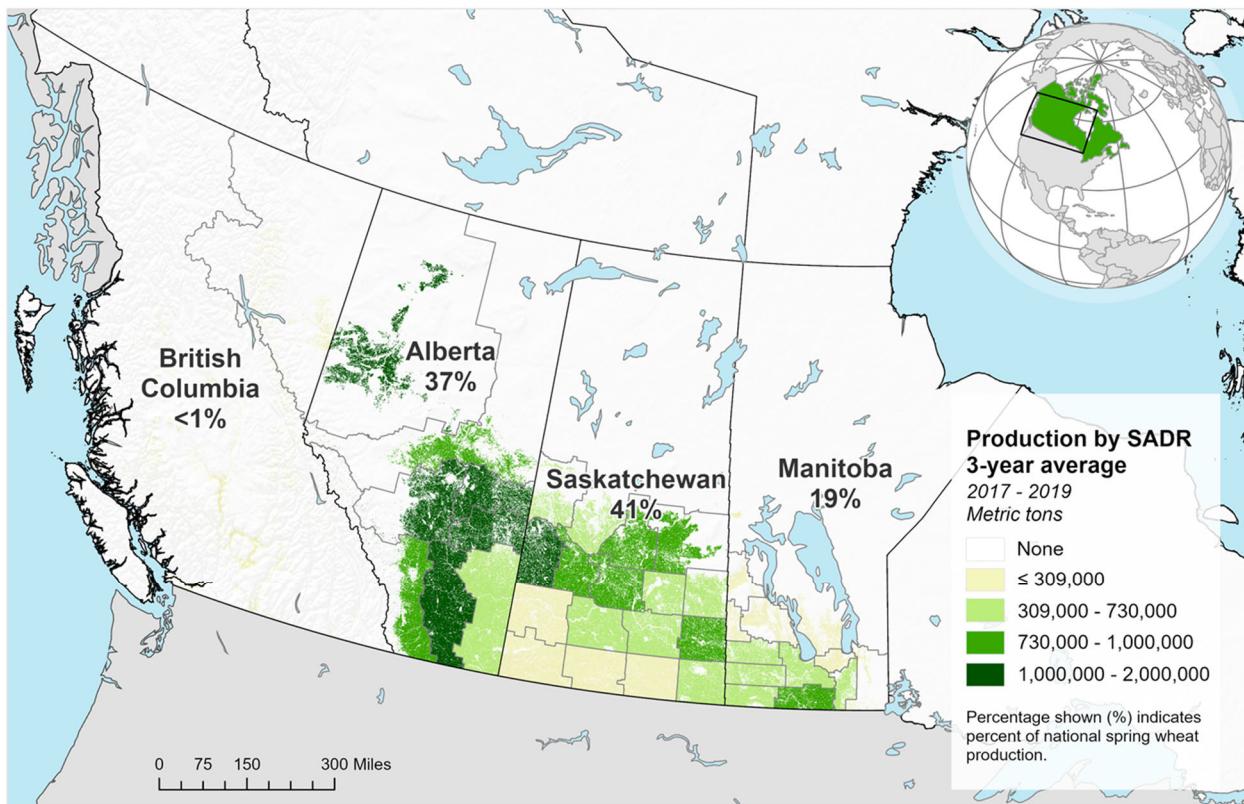
Data Sources:

- National wheat yield from USDA's PSD Online
- Western Cape wheat yield from South Africa's Crop Estimates Committee (CEC)

Cropland vegetation indices from MODIS satellite imagery indicate above-average Normalized Difference Vegetation Index (NDVI) measurements during the critical flowering and grain-filling stages and correspondingly above-average yields are expected in Western Cape. Harvest will begin in late September and nearly 90 percent of the crop will be harvested by the end of the year. (*For more information, please contact Curt.Reynolds@usda.gov.*)

Canada Wheat: Record Yield Pushes Production Higher

Canada: Spring Wheat Production



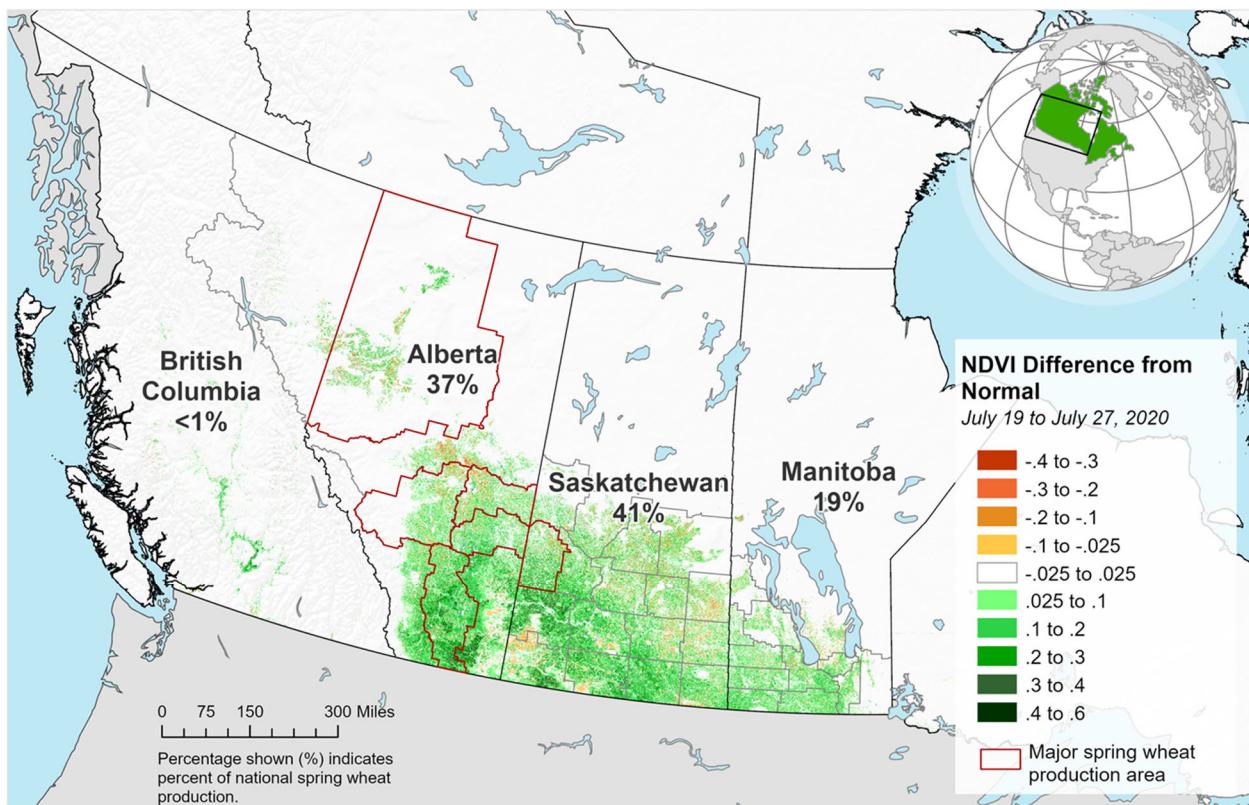
Foreign Agriculture Service
Global Market Analysis
International Production Assessment Division

SOURCES: Statistics Canada, Estimated production
by Small Area Data Region (SADR); AgCanada
Cropland Inventory 2018

USDA estimates Canada wheat production for 2020/21 at 36.0 million metric tons (mmt), up 2.0 mmt or 6 percent from last month, 11 percent over last year, and 16 percent above the 5-year average. Reduced area planted to spring wheat has been offset by increased durum planting and reduced winterkill of winter wheat, pushing the harvested area estimate higher, to 9.9 million hectares (mha), up 1 percent from last month, 3 percent from last year, and 5 percent above the 5-year average. Yield is forecast at a record of 3.64 metric tons per hectare (t/ha), up 5 percent from last month, 9 percent over last year, and 10 percent above the 5-year average.

Weather conditions have been favorable for wheat throughout much of the Prairies this summer. Overall, satellite-derived Normalized Difference Vegetation Index (NDVI) analysis indicates above-average plant health and yield potential for crops in Alberta and Saskatchewan, the primary provinces for spring wheat production. Spring wheat is 73 percent of the total Canadian wheat crop, based on the 5-year average. Durum wheat is 19 percent of total wheat production.

Canada: NDVI Response



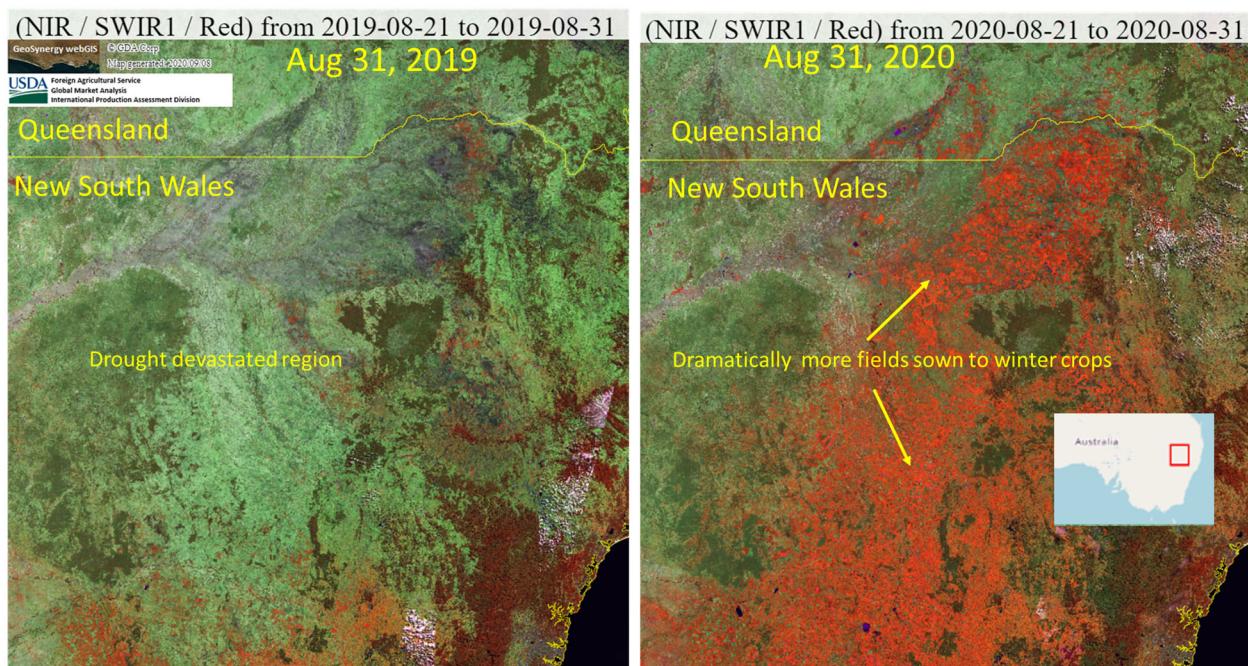
Foreign Agriculture Service
Global Market Analysis
International Production Assessment Division

SOURCES: Statistics Canada, Estimated production by Small Area Data Region (SADR); AgCanada Cropland Inventory 2018; USGS, NASA, MODIS

Statistics Canada (StatCan) also utilized satellite technology this year due to the pandemic to develop yield and harvest forecasts for its annual July report on the production of principal field crops. StatCan expects a record overall yield for wheat, and increased production over 2019 for spring, durum and winter wheat. For harvested area, StatCan estimates an 18 percent increase in area for durum and a 47 percent increase in area of winter wheat, offsetting a 4 percent reduction in spring wheat area. The shift towards durum is a response to increased demand for pasta in light of the COVID-19 pandemic. A mild winter in Ontario led to less winterkill, resulting in the increased winter wheat area, and an increase of 69 percent in estimated production of winter wheat. (For more information, please contact Aaron.Mulhollen@usda.gov.)

Australia Wheat: Production Up 88 Percent After Last Year's Drought

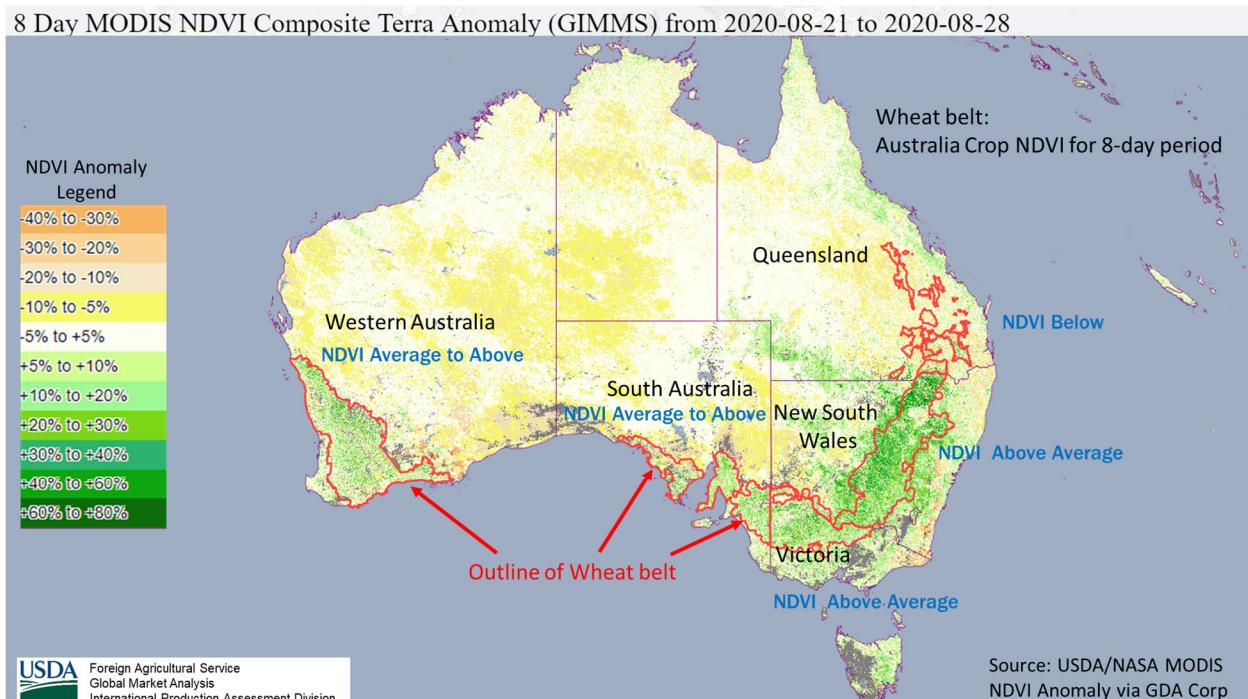
Australia wheat production for 2020/21 is forecast at 28.5 million metric tons (mmt), up 2.5 mmt from last month and up 13.3 mmt (88 percent) from last season. Area is estimated at 13.0 million hectares (mha), unchanged from last month but up 2.8 mha from last year. Yield is estimated at 2.19 metric tons per hectare (t/ha), up 10 percent from last month, up 47 percent from last year, and 13 percent above the 5-year average of 1.94 t/ha.



In this 10-meter resolution image, healthy crops are depicted as red whereas dry grass and stubble appear green.

Source: USDA, GDA Corp GeoChronicles 10-day 10m Surface Reflectance

FAS/Canberra personnel observed good growing conditions during late-August and early September. Precipitation has been beneficial since sowing operations commenced in May. Soil moisture in virtually all wheat cropping areas has markedly improved on the relatively dry conditions which prevailed over much of the previous year.



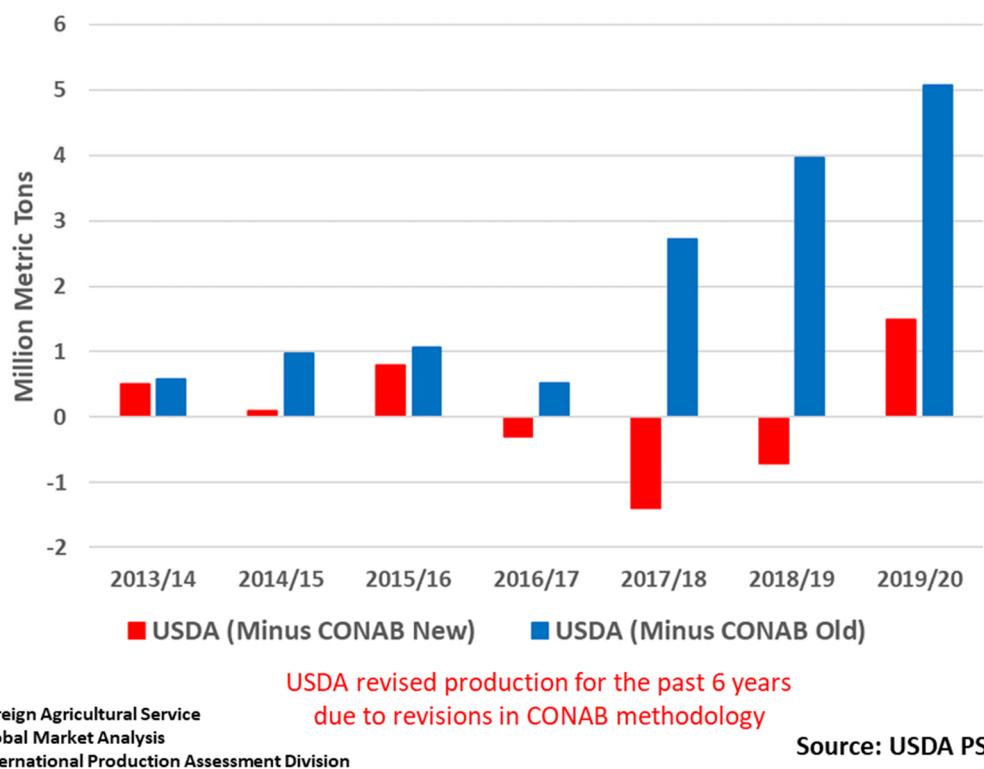
Wheat production in New South Wales (31 percent of national production) is the major driver for Australia's remarkable turnaround this season. Satellite imagery reveals far more winter crop fields and those fields are in healthy conditions. (*For more information, please contact James.Crutchfield@usda.gov.*)

Brazil Soybeans: Production Forecast Increased 6 Percent Compared to Last Season

USDA forecasts Brazil's 2020/21 soybean production at a record 133.0 million metric tons (mmt), up 7.0 mmt (6 percent) from last season's record crop of 126.0 mmt. The harvested area is forecast at a record 38.6 million hectares (mha), up 1.7 mha (5 percent) from last season's record. Yield is forecast slightly below the 10-year trend at 3.45 tons per hectare (t/ha), up 1 percent from last year. This would be the second highest yield on record, with the prior record at 3.47 t/ha reached in 2017/18.

Most of the large soybean producing states follow the recommendations for the soybean-free program to prevent the biotrophic fungus, Asian Soybean Rust (ASR), which feeds on living soybean plants. Planting can begin September 11th in Paraná and September 16th in Mato Grosso when the soybean free period ends. All live soybean plants must be removed during the 90-day period to prevent spread of ASR spores that can survive up to 60 days without a live host. Active monitoring of live plants has greatly reduced incidence of ASR, and thus increased yields. Paraná had recent rains that will prove beneficial for timely planting. The onset of rains will largely determine planting times in the central states.

Difference Between USDA and CONAB Soybean Forecasts

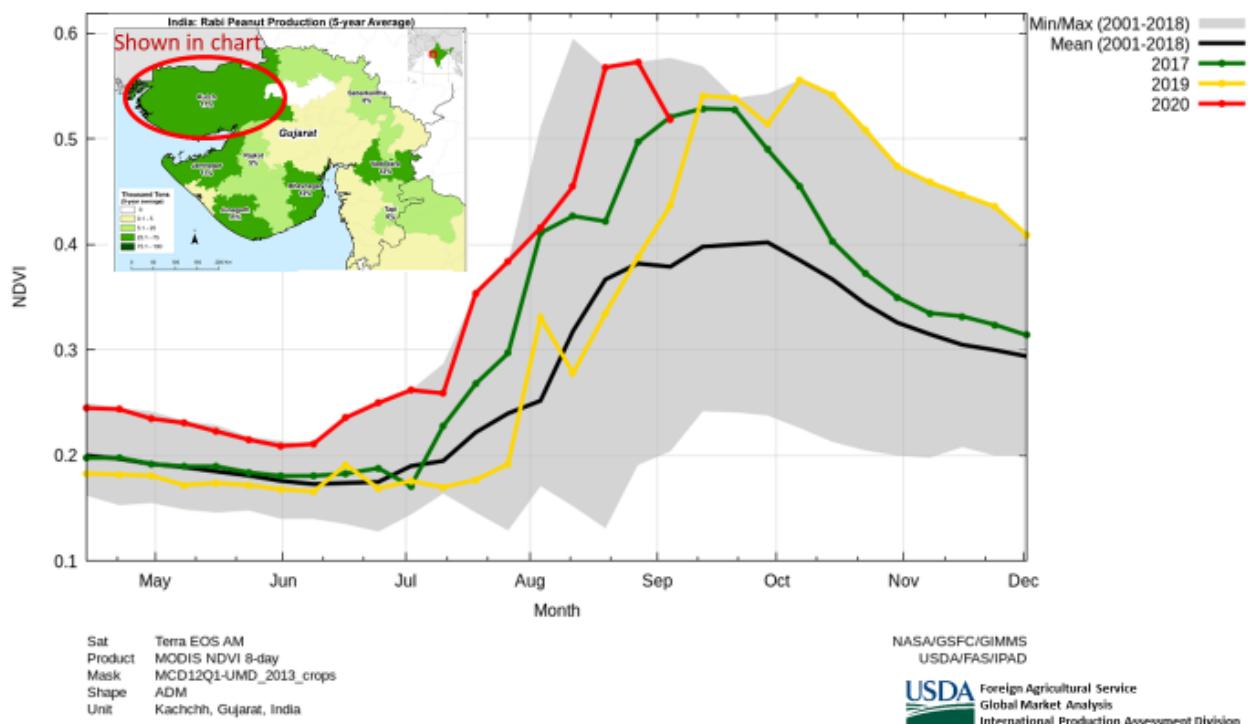


USDA revised the soybean production for the past six years from 2013/14 to 2018/19 to reflect the adjustments made by *Companhia Nacional de Abastecimento* (CONAB, an agency in the Brazilian Ministry of Agriculture), to their methodology. The primary reason for the modifications was to correct for CONAB's increasing discrepancy in negative stock trends over time. (*For more information, please contact Sunita.Yadav-Pauletti@usda.gov.*)

India Peanuts: Record Harvested Area Up 21 Percent From Last Year

USDA forecasts 2020/21 India peanut at a record area harvest at 5.9 million hectares (mha), up 9 percent from previous forecast and up nearly 21 percent from last year. This 21 percent increase from 2019 is because of favorable domestic prices and favorable rainfall. Peanut production is forecast at 6.8 million metric tons, up 10 percent from last month and up nearly 9 percent from last year. *Kharif* planting, which accounts for 85 percent of total area harvested, is forecast at 5.2 mha, up almost 26 percent from last season because of higher than expected planting in Gujarat, Andhra Pradesh, Rajasthan, and Karnataka, according to the Indian government. As of September 9, 2020, planting was up 34 percent from last year and exceeded the normal area for the *kharif* season. The 34 percent area increase is due to the early arrival of the monsoon in the main producing areas of Gujarat. *Rabi* planting is forecast at 0.79 mha, up 4 percent from the previous season. Yield is forecast at 1.15 tons per hectare, down 10 percent from last year's bumper yields and relatively unchanged from last month.

Strong Crop Vigor in the Main Peanut Producing Area of Gujarat

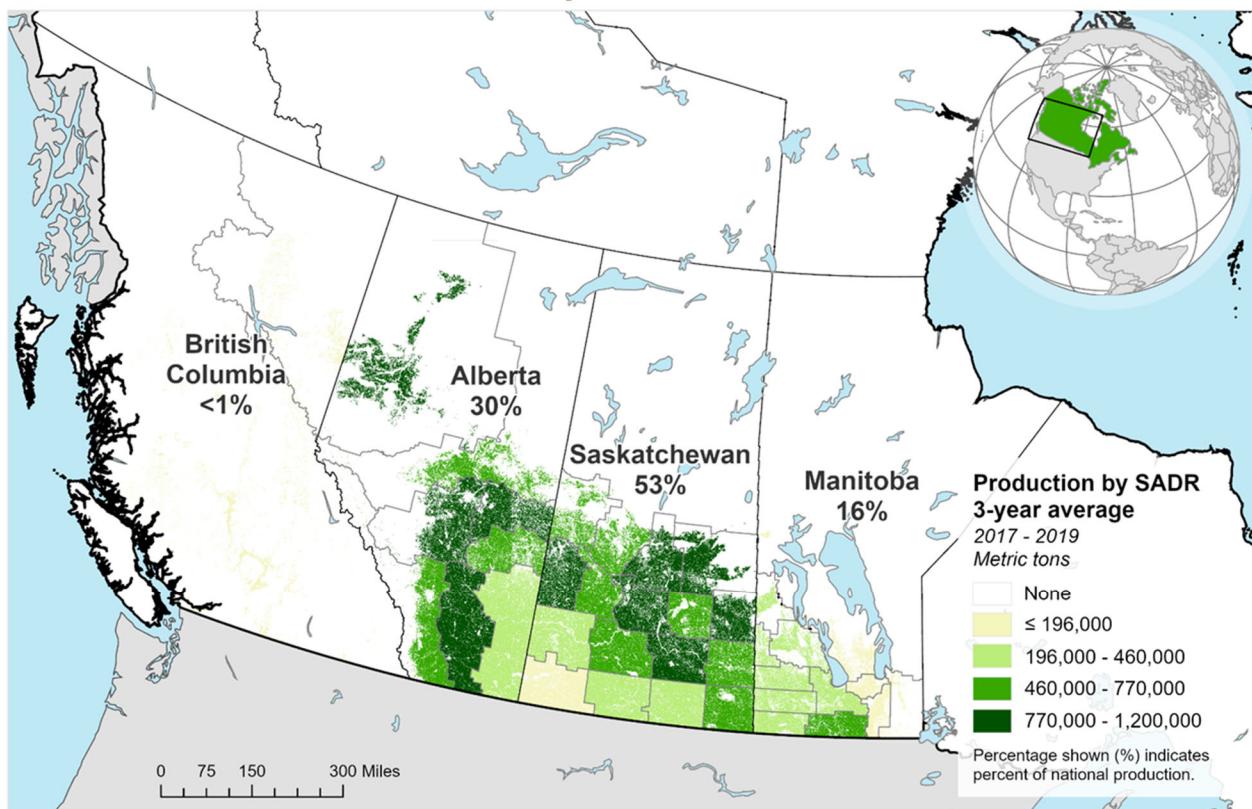


MODIS Normalized Difference Vegetation Index (NDVI) analysis showed strong crop vigor in both the main peanut producing areas of Gujarat. The main peanut producing areas of Gujarat and Rajasthan received excessive rains in August, however, rainfall across Gujarat and Rajasthan decreased during the first week of September. The India Meteorological Department expects the monsoon to be normal and withdraw around September 30th.

There are two peanut-growing seasons in India: *kharif* and *rabi*. The *rabi* crop is planted in late October through January and harvested in April. The *kharif* crop accounts for 85 percent of the total output and is typically planted in late June and harvested in October. Gujarat produces about 40 percent of the total peanut production during the *kharif* season. Over half of this production is concentrated in the Kutch district and southwestern region of Gujarat. (*For more information, please contact Arnella.Trent@usda.gov.*)

Canada Rapeseed: Production Up Slightly on Improved Yields

Canada: Rapeseed Production



Foreign Agriculture Service
Global Market Analysis
International Production Assessment Division

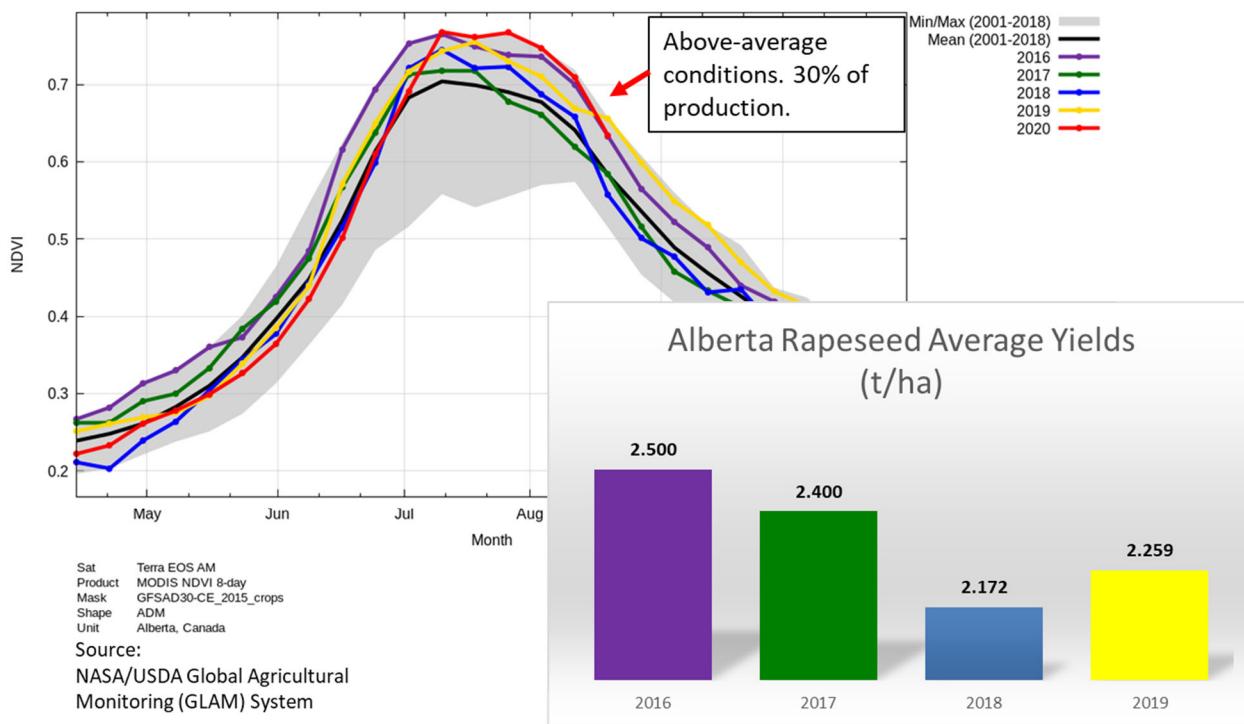
SOURCES: Statistics Canada, Estimated production
by Small Area Data Region (SADR); AgCanada
Cropland Inventory 2018

USDA estimates Canada rapeseed production for 2020/21 at 19.5 million metric tons (mmt), up 0.5 mmt or 3 percent from last month, unchanged from last year and down 2 percent from the 5-year average. Harvested area remains unchanged from last month at 8.3 million hectares, down 2 percent from last year and 5 percent below the 5-year average. The small increase in the production estimate is due to an increase in estimated yield, to 2.35 metric tons per hectare, up 3 percent from last month, 2 percent over last year, and 3 percent above the 5-year average.

Rapeseed is grown almost exclusively in the Prairie provinces, which experienced favorably warm conditions throughout most of the region this summer. Rainfall has been variable, however, with drier conditions in portions of central Saskatchewan, and excessive moisture in southwestern Manitoba, tempering yield potential in those areas. This was offset by favorable rainfall in the major rapeseed-producing areas of southern and central Alberta, boosting yields in that province.

Alberta Crop Development

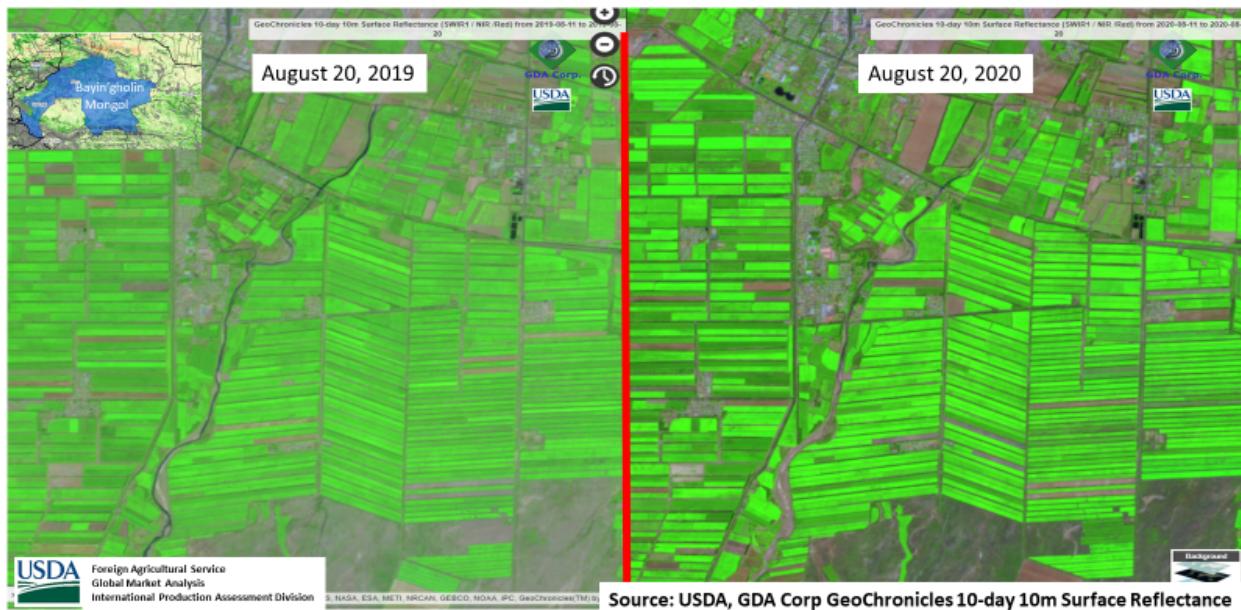
Terra MODIS NDVI 8-day
Alberta, Canada



Normalized Difference Vegetation Index (NDVI) analysis indicates above-average crop conditions in all three Prairie provinces. Alberta, in particular, has exceptional crop conditions overall, and the latest USDA yield regression model indicates that yields in the province could exceed their 5-year average by up to 6 percent. Using similar techniques for its July production assessment, Statistics Canada (StatCan) expects the rise in Alberta yields to be substantial enough to offset potential reductions in Saskatchewan and Manitoba. Overall, StatCan's production estimate for rapeseed compares favorably with that of USDA, indicating similar rapeseed production to that of 2019. (*For more information, please contact Aaron.Mulhollen@usda.gov.*)

China Cotton: Record Yield Leads to Record-Tying Crop

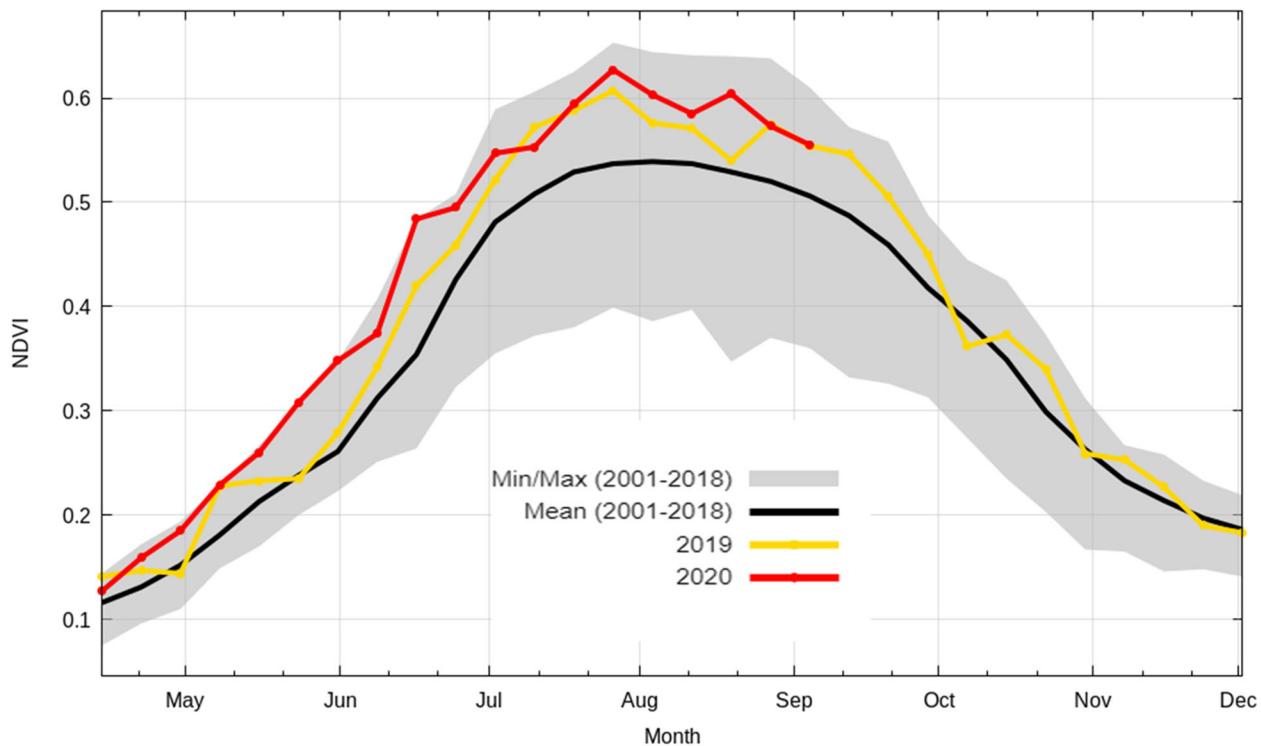
August 2020 Satellite Imagery Observations in Bayin'gholin Mongol
Show more Favorable Development than this Time Last Year



USDA forecasts China's 2020/21 cotton production at 27.3 million 480-pound bales (5.9 million metric tons), unchanged from last year, and up 7 percent from the 5-year average. Area is forecast at 3.3 million hectares, down 2 percent from last month and down 6 percent from last year, but roughly the same as the 5-year average. Yield is forecast at a record 1,826 kilograms per hectare (kg/ha), up 4 percent from last month, 6 percent from last year and 8 percent from the 5-year average of 1,697 kg/ha. Increases in yield continues to be at the long-term trend due to the increasing share of cotton being planted in Xinjiang province where yield has nearly doubled compared to elsewhere in the country. Approximately 85 percent of total China cotton is produced in Xinjiang. China's cotton production continues to be determined, to a larger degree, by the marginal decrease in plantings in Xinjiang province and the relatively larger area decline in the North China plains provinces of Shandong, Hebei, Anhui and Jiangsu.

According to USDA's FAS office in Beijing, harvest is about to start across the major growing regions. In recent years, Xinjiang's cotton harvest has become increasingly machine-picked and less reliant on labor intensive hand-picking as was the case in the recent past. In northern Xinjiang, the spraying of defoliants to prepare the fields for machine-harvest begins in early September and the harvest will kick off around mid-September. In southern Xinjiang, spraying of defoliant starts in mid-September and harvest will begin in late September. Harvesting of southern Xinjiang's hand-picked cotton will likely start in mid- to late September.

Higher Seasonal NDVI in Bayin'gholin Mongol in 2020 is Better than Last Year



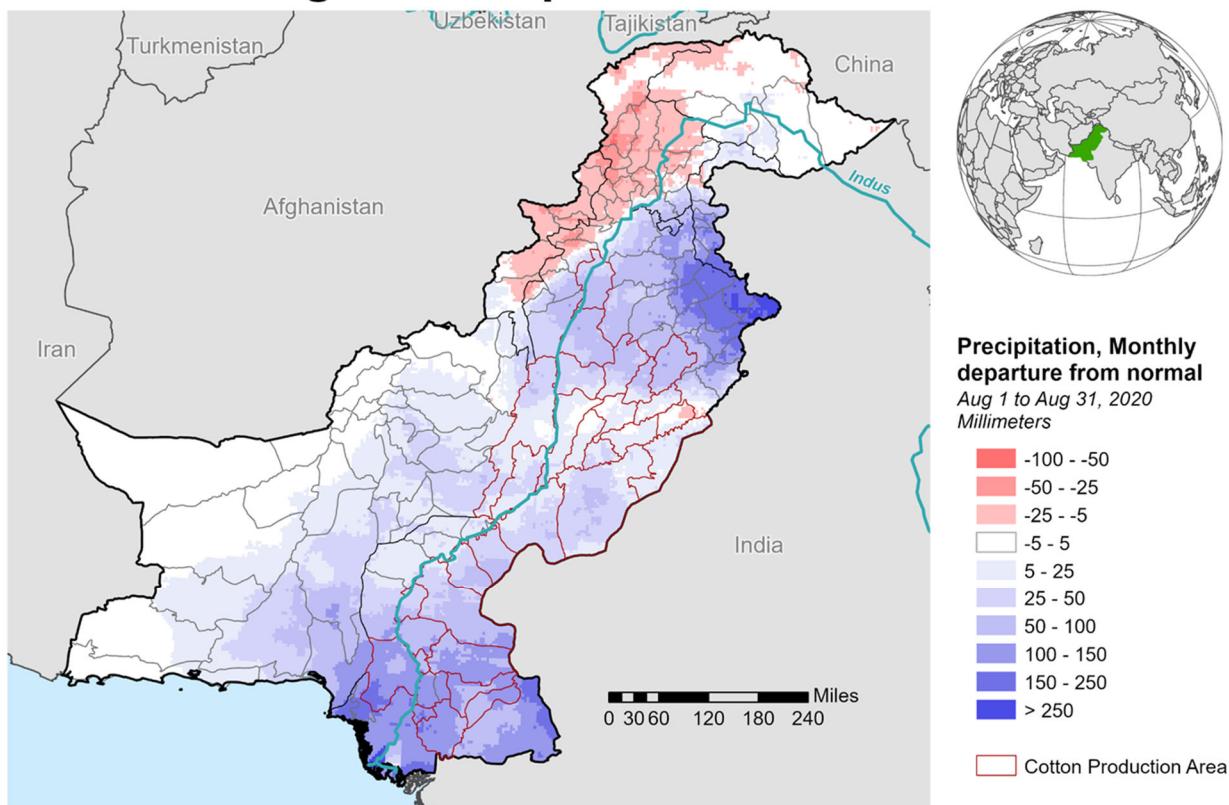
Foreign Agricultural Service
Global Market Analysis
International Production Assessment Division

Source: USDA/NASA Global Agricultural Monitoring (GLAM) System

Cotton planting starts in April and continues through May; the typical cotton growing season is April to October. The 2020/21 season has been characterized by favorable weather conditions and good irrigation water availability. These conditions facilitated rapid planting and early crop establishment in Xinjiang resulting in favorable yield expectations. Satellite imagery observations and Normalized Difference Vegetation Index (NDVI) time series show significant difference between current year and previous year. In addition to the favorable planting conditions, farmers have also been encouraged by the government continuation of target price-based cotton subsidy. On March 26, 2020 China's National Development and Reform Commission (NDRC) published a notice stating that the target price-based subsidy will continue through 2023. The subsidy program was established in 2017 and was planned to expire 2020. (*For more information, please contact Dath.Mita@usda.gov.*)

Pakistan Cotton: Production Revised Down On Lower Area Data

Pakistan: August Precipitation

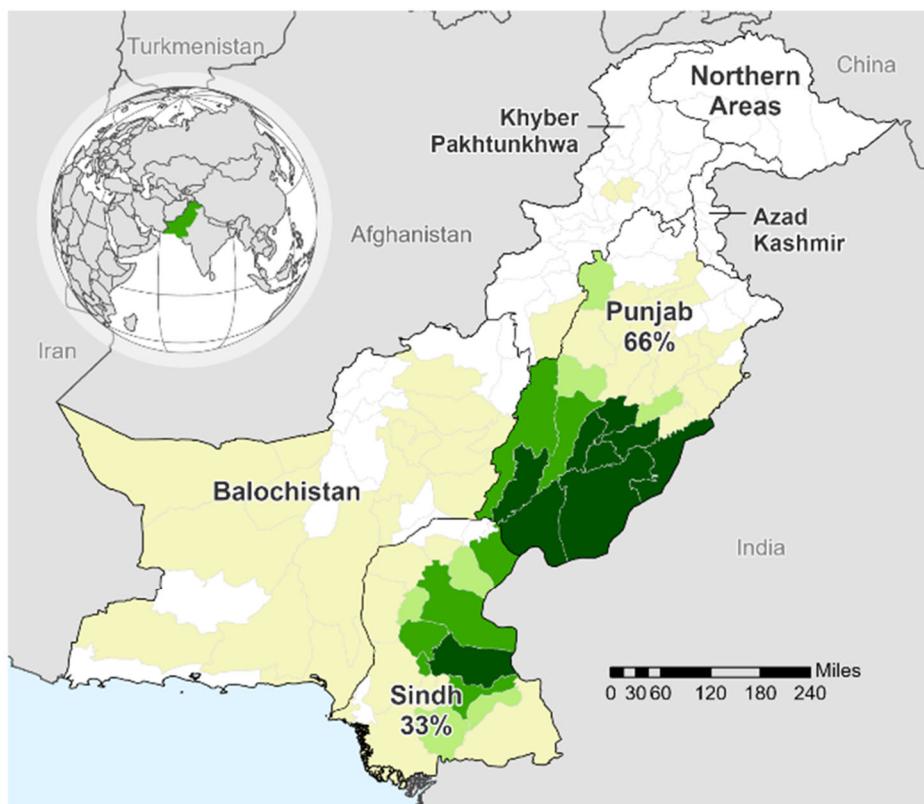


Foreign Agriculture Service
Global Market Analysis
International Production Assessment Division

Source: CHIRPS - 1-Month 'Cumulative Precipitation
Departure from Normal'
August 1 to August 31, 2020

USDA estimates Pakistan's 2020/21 cotton production at 6.2 million 480-pound bales, down 0.3 million bales from last month, and unchanged from last year. Harvested area is estimated at 2.2 million hectares (mha), down 0.2 mha from last month, and down slightly from last year. The yield is estimated at 614 kilograms per hectare or 2 percent below the 5-year average.

Pakistan: Cotton Production

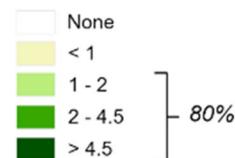


Top producers

District, Province	%
Bahawalpur, Punjab	9.5
Sanghar, Sindh	8.0
Bahawalnagar, Punjab	7.7
Rahimyar Khan, Punjab	6.5
Rajanpur, Punjab	6.0
Lodhran, Punjab	5.4
Khanewal, Punjab	5.4
Vehari, Punjab	5.3
Multan, Punjab	4.5
Khairpur, Sindh	4.0

Estimated percentage of total production

2015-18, (%)



Foreign Agriculture Service
Global Market Analysis
International Production Assessment Division

Source: K.P. Bureau of Statistics (K.P.) and AMIS (all other provinces). District estimates based on 2011-2014 distribution for provinces other than Punjab and K.P.

Newly released information from Pakistan's Central Cotton Committee estimates area sown as 2.16 mha. The 2.16 mha was adjusted based on an average under-reporting of 1.5 percent from the September 2019 report to the 2019 final area. Historically heavy rainfall led to flooding in southern Pakistan and across mainly lower-yielding cotton districts. Harvest of the early crop (sown in February) started in June; harvest of the late crop (planted in May) begins in September. Harvest typically peaks in October. (*For more information, please contact James.Crutchfield@usda.gov.*)



World Agricultural Production
U.S. Department of Agriculture
Foreign Agricultural Service / Global Market Analysis
International Production Assessment Division (IPAD)
Ag Box 1051, Room 4630, South Building
Washington, DC 20250-1051
<https://ipad.fas.usda.gov/>
Telephone: (202) 720-1662 Fax: (202) 720-1158

This report uses information from the Foreign Agricultural Service's (FAS) global network of agricultural attachés and counselors, official statistics of foreign governments and other foreign source materials, and the analysis of economic data and satellite imagery. Estimates of foreign area, yield, and production are from the International Production Assessment Division, FAS, and are reviewed by USDA's Inter-Agency Commodity Estimates Committee. Estimates of U.S. area, yield, and production are from USDA's National Agricultural Statistics Service. Numbers within the report may not add to totals because of rounding. This report reflects official USDA estimates released in the World Agricultural Supply and Demand Estimates (WASDE-584), September 11, 2020.

Printed copies are available from the National Technical Information Service. Download an order form at http://www.ntis.gov/products/specialty/usda/fas_a-g.asp, or call NTIS at 1-800-363-2068.

The FAS International Production Assessment Division prepared this report. The next issue of World Agricultural Production will be released after 12:00 p.m. Eastern Time, October 9, 2020.

Conversion Table

Metric tons to bushels

Wheat, soybeans	=	MT * 36.7437
Corn, sorghum, rye	=	MT * 39.36825
Barley	=	MT * 45.929625
Oats	=	MT * 68.894438

Metric tons to 480-lb bales

Cotton	=	MT * 4.592917
--------	---	---------------

Metric tons to hundredweight

Rice	=	MT * 22.04622
------	---	---------------

Area & weight

1 hectare	=	2.471044 acres
1 kilogram	=	2.204622 pounds



For further information, contact:
U.S. Department of Agriculture
Foreign Agricultural Service
Global Market Analysis
International Production Assessment Division
Ag Box 1051, Room 4630, South Building
Washington, DC 20250-1051

Telephone: (202) 720-1662 Fax: (202) 720-1158

GENERAL INFORMATION

Senior Director	Ronald Frantz	202-720-4056	ronald.frantz@usda.gov
Director	Robert Tetrault	202-720-1071	robert.tetrault@usda.gov
Administrative Assistant	Vacant		
USDA Remote Sensing Advisor	Vacant		
Sr. Analyst/Technical Lead	Curt Reynolds, Ph.D.	202-690-0134	curt.reynolds@usda.gov
Sr. Analyst/ Satellite Imagery	Dath Mita, Ph.D.	202-720-7339	dath.mita@usda.gov
Archives Manager/Technical Lead			
Sr. Analyst/Technical Lead	Jim Crutchfield	202-690-0135	james.crutchfield@usda.gov
GIS Mapping/Imagery Analyst	Lisa Colson	202-720-6652	lisa.colson@usda.gov
WAP Coordinators	Ifeoma Collins	202-720-0240	ifeoma.collins@usda.gov
	Aaron Mulhollen	202-690-0131	aaron.mulhollen@usda.gov

COUNTRY- AND REGION-SPECIFIC INFORMATION

South America, Argentina, Venezuela, and Colombia	Denise McWilliams, Ph.D.	202-720-0107	denise.mcwilliams@usda.gov
Western and Central Europe, and North Africa	Bryan Purcell	202-690-0138	bryan.purcell@usda.gov
Russia, Ukraine, Kazakhstan, Moldova, and Belarus	Katie McGaughey	202-720-9210	katie.mcgaughey@usda.gov
South Asia, Sri Lanka Bangladesh, India, and Nepal	Arnella Trent	202-720-0881	arnella.trent@usda.gov
East Asia, China, and Japan	Dath Mita, Ph.D.	202-720-7339	dath.mita@usda.gov
Sub-Saharan Africa, Nigeria and South Africa	Curt Reynolds, Ph.D.	202-690-0134	curt.reynolds@usda.gov
S.E. Asia, Indonesia, Thailand, Malaysia, Cambodia and Vietnam	Justin Jenkins	202-720-0419	justin.jenkins@usda.gov
Central America, Mexico, and Western United States	Ifeoma Collins	202-720-0240	ifeoma.collins@usda.gov
Australia, New Zealand, Pakistan	Jim Crutchfield	202-690-0135	james.crutchfield@usda.gov
Papua New Guinea and South Pacific Islands			
Middle East, Central Asia, Afghanistan Iraq, Iran, and Syria	Iliana Mladenova, Ph.D.		iliana.mladenova@usda.gov
Canada, Caribbean, Eastern United States	Aaron Mulhollen	202-690-0131	aaron.mulhollen@usda.gov
Brazil	Sunita Yadav-Pauletti, Ph.D.		sunita.yadav-pauletti@usda.gov



The Foreign Agricultural Service (FAS) updates its production, supply and distribution (PSD) database for cotton, oilseeds, and grains at 12:00 p.m. on the day the *World Agricultural Supply and Demand Estimates* (WASDE) report is released. This circular is released by 12:15 p.m.

FAS Reports and Databases:

World Agricultural Production

Current: <https://www.fas.usda.gov/data/world-agricultural-production>

Archive: <https://usda.library.cornell.edu/concern/publications/5q47rn72z?locale=en>

USDA's Foreign Agricultural Service (FAS) publishes a monthly report on crop acreage, yield and production in major countries worldwide. Sources include reporting from FAS's worldwide offices, official statistics of foreign governments, and analysis of economic data and satellite imagery. The reports reflect official USDA estimates released in the monthly *World Agricultural Supply and Demand Estimates* (WASDE).

World Markets and Trade

Current: <https://www.fas.usda.gov/data>

Archive:

https://usda.library.cornell.edu/catalog?1%5Bmember_of_collections_ssim%5D%5B%5D=Foreign+Agricultural+Service&locale=en

USDA's Foreign Agricultural Service (FAS) publishes monthly and quarterly reports which include data on U.S. and global trade, production, consumption and stocks, as well as analysis of developments affecting world trade in oilseeds, grains, cotton, livestock and poultry. The reports reflect official USDA estimates released in the monthly *World Agricultural Supply and Demand Estimates* (WASDE).

Global Agricultural Information Network (GAIN)

<https://www.fas.usda.gov/databases/global-agricultural-information-network-gain>

USDA's Foreign Agricultural Service (FAS) provides timely reports on foreign markets through the Global Agriculture Information Network (GAIN) database. An average of 2,000 reports are added each year, with reports going back to 1995. GAIN reports are compiled by FAS' global market intelligence network, which includes FAS foreign service officers and locally engaged staff in over 90 overseas offices world-wide. They provide on-the-ground intelligence, insight, and analysis on nearly 200 countries, delivering information on foreign agricultural markets, crop conditions, and agro-political dynamics of interest to U.S. agriculture. GAIN reports contain assessments of commodity and trade issues made by USDA staff and are not necessarily statements of official U.S. government policy.

Production, Supply and Distribution (PS&D) Online

<https://apps.fas.usda.gov/psdonline/app/index.html#/app/home>

PSD Online is the public repository for USDA's Official Production, Supply and Distribution forecast data and reports for key agricultural commodities. PSD Online data are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB). The committee consist of representatives from Foreign Agricultural Service (FAS), the Economic Research Service (ERS), the Farm Service Agency (FSA), and the Agricultural Marketing Service (AMS).

EU Countries and Russia Wheat: Area and Production Estimates

<https://apps.fas.usda.gov/psdonline/app/index.html#/app/downloads> (click on PSD Datasets)

USDA's Foreign Agricultural Service (FAS) provides country-level area and production estimates for the nations of the European Union. For Russia, country-level area and production estimates are provided for Winter and Spring wheat. These datasets are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB) and can be downloaded through PSD datasets on PSD Online.



FAS Reports and Databases:

International Production Assessment (IPAD)

<https://ipad.fas.usda.gov/>

USDA's Foreign Agricultural Service (FAS) maintains a dynamic global crop production portal with key information including *World Agricultural Production* (WAP) briefs, Commodity Intelligence Reports (CIR), geospatial applications, crop production maps at a subnational level and crop calendars for the top-20 producing countries. Additionally, Crop Explorer (<https://ipad.fas.usda.gov/cropexplorer/>) displays rainfall, temperature, evapotranspiration, soil moisture, snow cover, and vegetation conditions in charts and maps.

USDA and NASA Global Agricultural Monitoring (GLAM)

<https://glam1.gsfc.nasa.gov/>

The USDA and NASA Global Agricultural Monitoring (GLAM) system provides near real-time and science quality Moderate Resolution Imaging Spectroradiometer (MODIS) Normalized Difference Vegetation Index (NDVI) from the satellites Terra and Aqua. The public can view and retrieve MODIS 8-day composited, global NDVI satellite imagery and time series data. GLAM was developed by NASA's Global Inventory Modeling and Mapping Studies (GIMMS) group for USDA's Foreign Agricultural Service.

Global Agricultural and Disaster Assessment System (GADAS)

<https://geo.fas.usda.gov/GADAS/index.html>

USDA's Foreign Agricultural Service (FAS) provides the Global Agricultural and Disaster Assessment System (GADAS), a web-based Geographic Information System (GIS) tool which integrates a vast array of highly detailed earth observation data streams, particularly targeted towards agricultural and disaster assessment analysis. GADAS is an interactive website which provides analysts with a wide variety of routine geospatial products (maps, charts, tables) they require for comprehensive situational investigations and recurring assessments.

Export Sales Reporting

<https://apps.fas.usda.gov/esrquery/>

USDA's Export Sales Reporting Program monitors U.S. agricultural export sales on a daily and weekly basis. Export sales reporting provides a constant stream of up-to-date market information for 40 U.S. agricultural commodities sold abroad. The weekly U.S. Export Sales report is the most currently available source of U.S. exports sales data. The data is used to analyze overall levels of export demand, determine where markets exit, and assess the relative position of U.S. commodities in foreign markets.

Global Agricultural Trade System (GATS)

<https://apps.fas.usda.gov/gats/default.aspx>

The Global Agricultural Trade System (GATS) is a searchable database containing monthly U.S. Census Bureau trade data organized by agricultural commodity and agricultural related product groups. Trade data is searchable by partner countries and partner groups. Historical U.S. agricultural trade data is available back to 1967. In addition, U.N. trade statistics (UN Comtrade) may be queried through GATS. UN trade data is available for nearly 200 countries or areas, dating from the inception of the Harmonized System (HS) of trade codes in 1989 to present. The database is continuously updated. U.S. trade data is updated monthly according to the U.S. Census Bureau's reporting system. UN Comtrade data are updated in GATS after nationally submitted data to the UN are standardized by the UN Statistical Division and added to the UN Comtrade database.

Other USDA Reports:

World Agricultural Supply and Demand Estimates (WASDE):

<http://www.usda.gov/oce/commodity/wasde/>

Economic Research Service:

<http://www.ers.usda.gov/topics/crops>

National Agricultural Statistics Service:

<http://www.nass.usda.gov/Publications/>

Table 01 World Crop Production Summary

Million Metric Tons

Commodity	World -	Total Foreign	North America		Former Soviet		European	Asia (WAP)			South America		Selected Other			All Others
			United States	Canada -	Mexico -	Russia -		China -	India -	Indonesia	Pakistan	Thailand	Argentina -	Brazil -	Australia	South Africa
---Million metric tons---																
Wheat																
2018/19	731.0	679.7	51.3	32.2	3.0	71.7	25.1	nr	131.4	99.9	0.0	25.1	0.0	19.5	5.4	17.6
2019/20 prel.	764.0	711.8	52.3	32.3	3.2	73.6	29.2	nr	133.6	103.6	0.0	24.3	0.0	19.7	5.2	15.2
2020/21 proj.																
Aug	766.0	716.0	50.0	34.0	3.1	78.0	27.0	nr	136.0	107.2	0.0	25.7	0.0	20.5	6.8	26.0
Sep	770.5	720.5	50.0	36.0	3.1	78.0	27.0	nr	136.0	107.6	0.0	25.7	0.0	19.5	6.6	28.5
---Million metric tons---																
Coarse Grains																
2018/19	1,397.6	1,019.7	377.9	26.2	33.4	35.0	44.5	nr	264.5	43.2	12.0	6.6	5.7	59.2	104.3	11.5
2019/20 prel.	1,406.5	1,047.2	359.3	28.6	30.4	40.5	46.5	nr	268.2	47.4	12.0	7.4	4.5	56.8	105.6	10.4
2020/21 proj.																
Aug	1,464.7	1,062.1	402.6	29.6	33.6	38.9	49.9	nr	267.4	44.5	12.0	7.5	5.5	56.4	110.4	13.7
Sep	1,460.3	1,067.6	392.6	29.2	33.6	41.6	48.9	nr	267.4	45.1	12.0	7.5	5.5	56.4	113.4	14.3
---Million metric tons---																
Rice, Milled																
2018/19	496.7	489.6	7.1	0.0	0.2	0.7	0.0	nr	148.5	116.5	34.2	7.3	20.3	0.8	7.1	0.0
2019/20 prel.	495.9	490.1	5.9	0.0	0.2	0.7	0.0	nr	146.7	118.4	34.0	7.2	17.7	0.8	7.6	0.0
2020/21 proj.																
Aug	500.0	493.1	6.9	0.0	0.2	0.7	0.0	nr	147.0	118.0	34.9	7.5	20.0	0.8	7.2	0.3
Sep	499.6	492.4	7.1	0.0	0.2	0.7	0.0	nr	147.0	119.0	34.9	7.5	18.6	0.8	7.3	0.3
---Million metric tons---																
Total Grains																
2018/19	2,625.2	2,188.9	436.3	58.4	36.6	107.4	69.6	nr	544.4	259.6	46.2	39.0	26.0	79.5	116.9	29.2
2019/20 prel.	2,666.5	2,249.0	417.4	61.0	33.8	114.8	75.8	nr	548.5	269.4	46.0	38.9	22.2	77.3	118.3	25.7
2020/21 proj.																
Aug	2,730.8	2,271.3	459.5	63.6	36.8	117.6	76.9	nr	550.4	269.7	46.9	40.7	25.5	77.7	124.4	40.0
Sep	2,730.3	2,280.5	449.8	65.2	36.8	120.3	75.9	nr	550.4	271.7	46.9	40.7	24.1	76.7	127.3	43.1
---Million metric tons---																
Oilseeds																
2018/19	600.9	470.2	130.7	28.1	1.3	18.7	22.7	nr	60.0	35.5	14.1	3.8	1.0	60.8	124.6	3.1
2019/20 prel.	577.3	470.3	107.0	25.6	1.1	21.7	24.5	nr	62.6	36.7	14.4	3.3	1.1	54.6	131.2	2.6
2020/21 proj.																
Aug	610.4	479.6	130.8	24.9	1.0	20.4	23.6	nr	61.9	38.2	14.6	3.5	1.1	59.1	135.7	4.0
Sep	609.1	481.4	127.7	25.6	1.0	19.8	22.8	nr	62.2	39.3	14.6	3.4	1.1	58.5	137.7	4.0
---Million metric tons---																
Cotton																
2018/19	118.7	100.3	18.4	0.0	1.7	0.0	0.0	1.7	27.8	25.8	0.0	7.6	0.0	1.1	13.0	2.2
2019/20 prel.	122.0	102.1	19.9	0.0	1.6	0.0	0.0	2.0	27.3	29.5	0.0	6.2	0.0	1.4	13.4	0.6
2020/21 proj.																
Aug	117.5	99.5	18.1	0.0	1.1	0.0	0.0	1.8	26.5	29.7	0.0	6.5	0.0	1.3	12.0	1.9
Sep	117.2	100.1	17.1	0.0	1.1	0.0	0.0	1.8	27.3	30.0	0.0	6.2	0.0	1.3	12.0	2.1
---Million metric tons---																

1/ Includes wheat, coarse grains, and rice (milled) shown above.

Table 02 Wheat Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	From last month MMT	Percent	From last year MMT	Percent
World	215.45	216.94	221.33	222.29	3.39	3.52	3.46	3.47	730.96	764.03	766.03	770.49	4.46	0.58	6.47	0.85
United States	16.03	15.04	14.84	14.84	3.20	3.47	3.37	3.37	51.31	52.26	50.01	50.01	0.00	0.00	-2.25	-4.30
Total Foreign	199.42	201.90	206.49	207.45	3.41	3.53	3.47	3.47	679.65	711.77	716.02	720.48	4.46	0.62	8.71	1.22
European Union - 28	25.52	26.14	24.75	24.70	5.36	5.93	5.47	5.51	136.69	154.94	135.50	136.15	0.65	0.48	-18.79	-12.13
China	24.27	23.73	24.00	24.00	5.42	5.63	5.67	5.67	131.43	133.59	136.00	136.00	0.00	0.00	2.41	1.80
South Asia																
India	29.65	29.32	30.55	31.45	3.37	3.53	3.51	3.42	99.87	103.60	107.18	107.59	0.41	0.38	3.99	3.85
Pakistan	8.80	8.80	9.13	9.13	2.85	2.76	2.81	2.81	25.10	24.30	25.70	25.70	0.00	0.00	1.40	5.76
Afghanistan	2.00	2.30	2.33	2.33	1.80	2.17	2.15	2.15	3.60	5.00	5.01	5.01	0.00	0.00	0.01	0.20
Nepal	0.70	0.75	0.75	0.75	2.85	2.95	2.95	2.95	2.01	2.20	2.21	2.21	0.00	0.00	0.01	0.45
Former Soviet Union - 12																
Russia	26.34	27.31	28.30	28.30	2.72	2.70	2.76	2.76	71.69	73.61	78.00	78.00	0.00	0.00	4.39	5.96
Russia Winter	14.91	15.41	16.20	16.20	3.52	3.41	3.58	3.58	52.47	52.54	58.00	58.00	0.00	0.00	5.46	10.39
Russia Spring	11.44	11.91	12.10	12.10	1.68	1.77	1.65	1.65	19.22	21.07	20.00	20.00	0.00	0.00	-1.07	-5.08
Ukraine	6.72	7.02	6.80	6.80	3.73	4.16	3.97	3.97	25.06	29.17	27.00	27.00	0.00	0.00	-2.17	-7.44
Kazakhstan	11.35	11.34	11.80	11.80	1.23	1.01	1.06	1.06	13.95	11.45	12.50	12.50	0.00	0.00	1.05	9.15
Uzbekistan	1.40	1.40	1.40	1.40	4.29	4.86	4.65	4.65	6.00	6.80	6.51	6.51	0.00	0.00	-0.29	-4.26
Belarus	0.66	0.75	0.70	0.70	2.75	3.83	3.29	3.29	1.82	2.88	2.30	2.30	0.00	0.00	-0.58	-20.00
Canada	9.88	9.66	9.80	9.90	3.26	3.35	3.47	3.64	32.20	32.35	34.00	36.00	2.00	5.88	3.65	11.29
South America																
Argentina	6.05	6.72	6.35	6.35	3.22	2.94	3.23	3.07	19.50	19.75	20.50	19.50	-1.00	-4.88	-0.25	-1.24
Brazil	2.04	2.04	2.32	2.32	2.66	2.55	2.93	2.84	5.43	5.20	6.80	6.60	-0.20	-2.94	1.40	26.92
Uruguay	0.20	0.23	0.22	0.22	3.68	3.43	3.54	3.54	0.73	0.79	0.78	0.78	0.00	0.00	-0.01	-1.39
Australia	10.40	10.20	13.00	13.00	1.69	1.49	2.00	2.19	17.60	15.20	26.00	28.50	2.50	9.62	13.30	87.50
Africa																
Egypt	1.32	1.37	1.39	1.39	6.40	6.40	6.40	6.40	8.45	8.77	8.90	8.90	0.00	0.00	0.13	1.48
Morocco	2.85	2.75	2.70	2.70	2.58	1.46	1.00	1.00	7.34	4.03	2.70	2.70	0.00	0.00	-1.33	-32.92
Ethiopia	1.75	1.80	1.85	1.85	2.42	2.74	2.72	2.72	4.24	4.93	5.03	5.03	0.00	0.00	0.10	2.03
Algeria	2.07	2.07	2.08	2.08	1.90	1.90	1.88	1.88	3.94	3.95	3.90	3.90	0.00	0.00	-0.05	-1.27
Middle East																
Turkey	7.62	7.00	7.10	7.10	2.50	2.50	2.61	2.61	19.00	17.50	18.50	18.50	0.00	0.00	1.00	5.71
Iran	6.70	6.70	6.70	6.70	2.16	2.51	2.50	2.50	14.50	16.80	16.75	16.75	0.00	0.00	-0.05	-0.30
Iraq	1.70	2.40	2.40	2.40	1.76	2.00	2.00	1.93	3.00	4.80	4.80	4.64	-0.17	-3.44	-0.17	-3.44
Syria	1.10	1.60	1.60	1.60	1.82	3.00	2.81	2.81	2.00	4.80	4.50	4.50	0.00	0.00	-0.30	-6.25
Mexico	0.54	0.59	0.55	0.55	5.56	5.42	5.55	5.55	3.00	3.22	3.05	3.05	0.00	0.00	-0.17	-5.13
Serbia	0.65	0.57	0.57	0.57	4.92	4.39	4.74	4.74	3.20	2.50	2.70	2.70	0.00	0.00	0.20	8.00
Others	7.12	7.35	7.35	7.36	2.57	2.68	2.61	2.65	18.33	19.66	19.20	19.47	0.27	1.38	-0.20	-1.00

World and Selected Countries and Regions

Foreign Agricultural Service/USDA

Global Market Analysis

Table 03 Total Coarse Grain Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	From last month MMT	Percent	From last year MMT	Percent
World	331.05	333.24	336.42	337.31	4.22	4.22	4.35	4.33	1,397.56	1,406.50	1,464.70	1,460.26	-4.43	-0.30	53.76	3.82
United States	36.20	36.14	37.43	37.21	10.44	9.94	10.76	10.55	377.91	359.30	402.59	392.63	-9.95	-2.47	33.33	9.28
Total Foreign	294.85	297.09	298.99	300.10	3.46	3.52	3.55	3.56	1,019.66	1,047.20	1,062.11	1,067.63	5.52	0.52	20.43	1.95
China	44.48	43.72	44.42	44.42	5.95	6.14	6.02	6.02	264.51	268.20	267.38	267.38	0.00	0.00	-0.82	-0.31
European Union	29.25	30.12	30.43	30.49	5.07	5.35	5.34	5.30	148.27	161.24	162.36	161.66	-0.70	-0.43	0.42	0.26
South America																
Brazil	18.72	19.77	20.18	20.78	5.57	5.34	5.47	5.46	104.33	105.57	110.41	113.41	3.00	2.72	7.83	7.42
Argentina	8.22	7.98	7.82	7.82	7.20	7.12	7.21	7.21	59.22	56.75	56.42	56.37	-0.05	-0.09	-0.39	-0.68
Former Soviet Union - 12																
Russia	14.03	14.51	14.35	14.35	2.50	2.79	2.71	2.90	35.00	40.50	38.93	41.63	2.70	6.94	1.13	2.79
Ukraine	7.58	8.22	8.51	8.51	5.87	5.67	5.87	5.75	44.50	46.55	49.90	48.90	-1.00	-2.00	2.35	5.05
Kazakhstan	2.97	3.45	3.16	3.16	1.76	1.47	1.61	1.61	5.23	5.06	5.10	5.10	0.00	0.00	0.04	0.71
Belarus	1.01	0.90	1.03	1.03	2.91	3.78	3.32	3.32	2.93	3.40	3.42	3.42	0.00	0.00	0.02	0.59
Africa																
Nigeria	14.30	14.40	14.40	14.40	1.39	1.37	1.38	1.42	19.84	19.67	19.90	20.40	0.50	2.51	0.74	3.74
South Africa	2.81	3.13	2.92	2.92	4.43	5.35	5.01	5.01	12.42	16.75	14.63	14.63	0.00	0.00	-2.12	-12.65
Tanzania	5.22	5.35	5.35	5.35	1.36	1.30	1.34	1.34	7.12	6.97	7.15	7.15	0.00	0.00	0.18	2.58
Burkina	4.32	3.90	3.90	3.90	1.12	1.18	1.13	1.13	4.82	4.59	4.40	4.40	0.00	0.00	-0.19	-4.03
Ethiopia	5.64	5.60	5.60	5.60	2.92	3.05	3.07	3.07	16.47	17.10	17.20	17.20	0.00	0.00	0.10	0.58
Egypt	1.07	1.02	1.02	1.02	7.14	7.09	7.09	7.09	7.66	7.26	7.26	7.26	0.00	0.00	0.00	0.00
Mali	4.63	4.70	4.70	4.70	1.50	1.48	1.40	1.40	6.94	6.94	6.60	6.60	0.00	0.00	-0.34	-4.83
India	22.23	23.99	23.32	23.50	1.94	1.98	1.91	1.92	43.21	47.42	44.49	45.09	0.60	1.34	-2.34	-4.93
Southeast Asia																
Indonesia	3.70	3.80	3.70	3.70	3.24	3.16	3.24	3.24	12.00	12.00	12.00	12.00	0.00	0.00	0.00	0.00
Philippines	2.48	2.51	2.60	2.60	3.07	3.20	3.15	3.15	7.61	8.03	8.20	8.20	0.00	0.00	0.17	2.12
Vietnam	1.03	0.99	0.94	0.97	4.72	4.80	4.68	4.68	4.87	4.76	4.40	4.54	0.14	3.18	-0.22	-4.56
Thailand	1.32	1.24	1.26	1.26	4.29	3.64	4.34	4.34	5.68	4.53	5.45	5.45	0.00	0.00	0.92	20.31
Mexico	8.95	8.53	9.06	9.06	3.73	3.56	3.71	3.71	33.40	30.41	33.60	33.60	0.00	0.00	3.19	10.49
Canada	5.00	5.55	5.63	5.59	5.24	5.16	5.26	5.22	26.20	28.62	29.60	29.17	-0.43	-1.45	0.54	1.90
Australia	6.06	5.01	5.89	6.09	1.90	2.08	2.32	2.34	11.51	10.44	13.66	14.26	0.60	4.39	3.82	36.60
Middle East																
Turkey	4.34	4.53	4.61	4.61	3.05	3.19	3.43	3.43	13.25	14.45	15.81	15.81	0.00	0.00	1.36	9.41
Iran	1.73	1.91	1.91	1.91	2.32	2.63	2.71	2.71	4.02	5.02	5.17	5.17	0.00	0.00	0.15	2.99
Others	73.74	72.28	72.32	72.38	1.61	1.59	1.64	1.64	118.65	115.01	118.71	118.87	0.17	0.14	3.86	3.36

World and Selected Countries and Regions; Coarse Grain includes: Barley, Corn, Millet, Mixed Grains, Oats, Rye and Sorghum

Table 04 Corn Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	Prel. 2018/19	2019/20	Aug	Sep	Prel. 2018/19	2019/20	Aug	Sep	From last month MMT	Percent	From last year MMT	Percent
World	192.01	193.17	196.14	196.76	5.85	5.76	5.97	5.91	1,123.62	1,112.84	1,171.03	1,162.38	-8.65	-0.74	49.54	4.45
United States	32.89	32.91	34.00	33.78	11.07	10.51	11.41	11.20	364.26	345.89	388.08	378.47	-9.62	-2.48	32.57	9.42
Total Foreign	159.12	160.26	162.14	162.98	4.77	4.79	4.83	4.81	759.36	766.94	782.95	783.91	0.97	0.12	16.97	2.21
China	42.13	41.28	42.00	42.00	6.11	6.32	6.19	6.19	257.33	260.77	260.00	260.00	0.00	0.00	-0.77	-0.30
South America																
Brazil	17.50	18.50	18.90	19.50	5.77	5.51	5.66	5.64	101.00	102.00	107.00	110.00	3.00	2.80	8.00	7.84
Argentina	6.10	6.20	6.20	6.20	8.36	8.06	8.06	8.06	51.00	50.00	50.00	50.00	0.00	0.00	0.00	0.00
Bolivia	0.47	0.48	0.50	0.50	2.11	2.39	2.40	2.40	0.99	1.15	1.20	1.20	0.00	0.00	0.06	4.80
European Union	8.28	8.90	9.02	9.00	7.77	7.49	7.52	7.37	64.36	66.67	67.80	66.30	-1.50	-2.21	-0.37	-0.55
Africa																
South Africa	2.60	2.91	2.70	2.70	4.55	5.58	5.19	5.19	11.82	16.25	14.00	14.00	0.00	0.00	-2.25	-13.85
Nigeria	6.50	6.50	6.50	6.50	1.69	1.69	1.69	1.77	11.00	11.00	11.00	11.50	0.50	4.55	0.50	4.55
Ethiopia	2.30	2.30	2.30	2.30	3.63	3.70	3.74	3.74	8.35	8.50	8.60	8.60	0.00	0.00	0.10	1.18
Egypt	0.85	0.80	0.80	0.80	8.00	8.00	8.00	8.00	6.80	6.40	6.40	6.40	0.00	0.00	0.00	0.00
Tanzania	4.10	4.20	4.20	4.20	1.46	1.39	1.43	1.43	5.99	5.82	6.00	6.00	0.00	0.00	0.18	3.09
Malawi	1.69	1.70	1.70	1.70	1.60	1.78	2.22	2.22	2.70	3.03	3.78	3.78	0.00	0.00	0.75	24.75
Zambia	1.09	0.84	1.29	1.29	2.21	2.38	2.62	2.62	2.40	2.00	3.39	3.39	0.00	0.00	1.38	69.01
Kenya	2.14	2.00	2.00	2.00	1.87	1.90	1.70	1.70	4.01	3.80	3.40	3.40	0.00	0.00	-0.40	-10.53
Uganda	1.13	1.15	1.15	1.15	2.30	2.24	2.43	2.43	2.60	2.58	2.80	2.80	0.00	0.00	0.23	8.74
Zimbabwe	1.72	1.62	1.50	1.50	0.99	0.48	0.61	0.61	1.70	0.78	0.91	0.91	0.00	0.00	0.13	16.86
Former Soviet Union - 12																
Ukraine	4.57	4.99	5.40	5.40	7.84	7.19	7.31	7.13	35.81	35.89	39.50	38.50	-1.00	-2.53	2.61	7.28
Russia	2.37	2.50	2.75	2.75	4.81	5.70	5.56	5.45	11.42	14.28	15.30	15.00	-0.30	-1.96	0.73	5.08
South Asia																
India	9.03	9.72	9.00	9.20	3.07	2.95	3.06	3.04	27.72	28.64	27.50	28.00	0.50	1.82	-0.64	-2.22
Pakistan	1.32	1.33	1.39	1.39	4.62	5.19	5.05	5.05	6.10	6.90	7.00	7.00	0.00	0.00	0.10	1.45
Nepal	0.96	0.96	0.97	0.97	2.84	2.76	2.82	2.82	2.71	2.65	2.72	2.72	0.00	0.00	0.07	2.64
Southeast Asia																
Indonesia	3.70	3.80	3.70	3.70	3.24	3.16	3.24	3.24	12.00	12.00	12.00	12.00	0.00	0.00	0.00	0.00
Philippines	2.48	2.51	2.60	2.60	3.07	3.20	3.15	3.15	7.61	8.03	8.20	8.20	0.00	0.00	0.17	2.12
Vietnam	1.03	0.99	0.94	0.97	4.72	4.80	4.68	4.68	4.87	4.76	4.40	4.54	0.14	3.18	-0.22	-4.56
Thailand	1.30	1.22	1.23	1.23	4.34	3.68	4.39	4.39	5.63	4.48	5.40	5.40	0.00	0.00	0.92	20.54
Mexico	7.20	6.80	7.30	7.30	3.83	3.68	3.84	3.84	27.60	25.00	28.00	28.00	0.00	0.00	3.00	12.00
Canada	1.43	1.45	1.40	1.40	9.70	9.24	10.21	10.00	13.89	13.40	14.30	14.00	-0.30	-2.10	0.60	4.45
Turkey	0.53	0.52	0.60	0.60	10.75	11.54	11.42	11.42	5.70	6.00	6.85	6.85	0.00	0.00	0.85	14.17
Others	24.61	24.09	24.11	24.14	2.69	2.66	2.72	2.71	66.27	64.19	65.50	65.43	-0.08	-0.11	1.24	1.93

World and Selected Countries and Regions

Table 05 Barley Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	From last month MMT	Percent	From last year MMT	Percent
World	48.83	51.66	50.63	50.81	2.85	3.03	3.02	3.09	139.36	156.30	152.75	156.98	4.22	2.76	0.68	0.43
United States	0.80	0.88	0.90	0.90	4.17	4.18	4.24	4.24	3.34	3.69	3.83	3.83	0.00	0.00	0.14	3.74
Total Foreign	48.03	50.78	49.73	49.91	2.83	3.01	2.99	3.07	136.02	152.61	148.92	153.15	4.22	2.84	0.54	0.35
European Union	12.32	12.37	12.53	12.62	4.54	5.09	4.99	5.02	55.98	62.97	62.50	63.30	0.80	1.28	0.33	0.52
Former Soviet Union - 12																
Russia	7.78	8.40	8.00	8.00	2.15	2.37	2.16	2.54	16.74	19.94	17.30	20.30	3.00	17.34	0.36	1.81
Ukraine	2.57	2.78	2.60	2.60	2.96	3.42	3.54	3.54	7.60	9.53	9.20	9.20	0.00	0.00	-0.33	-3.44
Kazakhstan	2.52	2.98	2.70	2.70	1.58	1.29	1.41	1.41	3.97	3.83	3.80	3.80	0.00	0.00	-0.03	-0.78
Belarus	0.43	0.40	0.38	0.38	2.20	3.50	2.76	2.76	0.94	1.40	1.05	1.05	0.00	0.00	-0.35	-25.00
Azerbaijan	0.34	0.32	0.31	0.31	2.72	2.72	2.74	2.74	0.92	0.87	0.85	0.85	0.00	0.00	-0.02	-2.30
Canada	2.40	2.73	2.70	2.70	3.50	3.81	3.74	3.74	8.38	10.38	10.10	10.10	0.00	0.00	-0.28	-2.73
Australia	4.44	4.05	4.30	4.40	1.99	2.22	2.37	2.39	8.82	9.00	10.20	10.50	0.30	2.94	1.50	16.67
Middle East																
Turkey	3.60	3.80	3.80	3.80	1.94	2.08	2.21	2.21	7.00	7.90	8.40	8.40	0.00	0.00	0.50	6.33
Iran	1.55	1.70	1.70	1.70	1.81	2.12	2.21	2.21	2.80	3.60	3.75	3.75	0.00	0.00	0.15	4.17
Iraq	0.60	1.20	1.20	1.20	1.30	1.33	1.29	1.29	0.78	1.60	1.55	1.55	0.00	0.00	-0.05	-3.13
Syria	0.80	1.50	1.50	1.50	0.50	1.33	1.27	1.27	0.40	2.00	1.90	1.90	0.00	0.00	-0.10	-5.00
Africa																
Ethiopia	1.00	1.00	1.00	1.00	2.20	2.30	2.30	2.30	2.20	2.30	2.30	2.30	0.00	0.00	0.00	0.00
Morocco	1.60	1.45	1.10	1.10	1.82	0.80	0.55	0.55	2.91	1.16	0.60	0.60	0.00	0.00	-0.56	-48.32
Algeria	1.03	1.03	1.03	1.03	1.90	1.95	1.80	1.80	1.95	2.00	1.85	1.85	0.00	0.00	-0.16	-7.75
Tunisia	0.31	0.47	0.42	0.42	0.99	1.94	1.60	1.60	0.31	0.91	0.66	0.66	0.00	0.00	-0.25	-27.19
South Africa	0.12	0.13	0.13	0.13	3.55	2.61	3.62	3.62	0.42	0.35	0.47	0.47	0.00	0.00	0.13	36.23
South America																
Argentina	1.20	1.00	0.85	0.85	4.22	3.80	4.12	4.06	5.06	3.80	3.50	3.45	-0.05	-1.43	-0.35	-9.21
Uruguay	0.17	0.16	0.17	0.17	3.87	3.75	3.70	3.70	0.64	0.60	0.61	0.61	0.00	0.00	0.01	1.67
Brazil	0.11	0.12	0.12	0.12	3.16	3.61	3.21	3.21	0.35	0.43	0.39	0.39	0.00	0.00	-0.04	-10.26
India	0.66	0.58	0.62	0.60	2.69	2.84	2.57	2.80	1.78	1.63	1.59	1.69	0.10	6.03	0.05	3.31
China	0.26	0.26	0.26	0.26	3.64	3.46	3.46	3.46	0.96	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Mexico	0.35	0.36	0.36	0.36	2.82	2.81	2.80	2.80	1.00	1.01	1.00	1.00	0.00	0.00	-0.01	-0.99
Afghanistan	0.08	0.18	0.17	0.17	0.68	1.39	1.41	1.41	0.06	0.25	0.24	0.24	0.00	0.00	-0.01	-4.00
Others	1.80	1.81	1.80	1.81	2.26	2.35	2.34	2.37	4.06	4.24	4.22	4.29	0.08	1.83	0.05	1.23

World and Selected Countries and Regions

Table 06 Oats Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	Aug	Sep	Prel. 2018/19	2019/20	Aug	Sep	From last month MMT	Percent	From last year MMT	Percent
World	9.99	9.37	9.65	9.69	2.23	2.41	2.44	2.45	22.24	22.56	23.54	23.72	0.18	0.76	1.16	5.16
United States	0.35	0.33	0.40	0.40	2.33	2.31	2.33	2.33	0.82	0.77	0.94	0.94	0.00	0.00	0.17	22.18
Total Foreign	9.64	9.03	9.25	9.28	2.22	2.41	2.44	2.45	21.43	21.79	22.60	22.78	0.18	0.79	0.99	4.55
European Union	2.73	2.53	2.60	2.60	2.86	3.09	3.10	3.10	7.79	7.81	8.08	8.08	0.00	0.00	0.27	3.41
Former Soviet Union - 12																
Russia	2.73	2.43	2.25	2.25	1.73	1.82	1.78	1.78	4.72	4.42	4.00	4.00	0.00	0.00	-0.42	-9.50
Ukraine	0.20	0.18	0.20	0.20	2.14	2.32	2.31	2.31	0.42	0.43	0.45	0.45	0.00	0.00	0.02	5.39
Belarus	0.15	0.15	0.15	0.15	2.26	3.00	2.47	2.47	0.34	0.45	0.37	0.37	0.00	0.00	-0.08	-17.78
Kazakhstan	0.24	0.24	0.23	0.23	1.43	1.10	1.33	1.33	0.34	0.27	0.30	0.30	0.00	0.00	0.03	12.36
Canada	1.01	1.17	1.26	1.26	3.42	3.62	3.49	3.49	3.44	4.24	4.40	4.40	0.00	0.00	0.16	3.85
South America																
Argentina	0.24	0.14	0.15	0.15	2.40	2.31	2.50	2.50	0.57	0.33	0.38	0.38	0.00	0.00	0.05	13.64
Brazil	0.38	0.40	0.40	0.40	2.11	2.21	2.28	2.28	0.80	0.88	0.91	0.91	0.00	0.00	0.03	3.53
Chile	0.08	0.10	0.08	0.11	5.13	4.92	5.61	5.60	0.39	0.48	0.46	0.64	0.18	38.70	0.16	33.75
Uruguay	0.03	0.01	0.02	0.02	2.04	1.86	2.00	2.00	0.05	0.03	0.04	0.04	0.00	0.00	0.01	53.85
Oceania																
Australia	0.94	0.70	0.95	0.95	1.21	1.23	1.68	1.68	1.14	0.86	1.60	1.60	0.00	0.00	0.74	86.05
New Zealand	0.01	0.01	0.01	0.01	5.00	5.50	5.50	5.50	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
China	0.50	0.53	0.53	0.53	1.15	1.19	1.19	1.19	0.58	0.63	0.63	0.63	0.00	0.00	0.00	0.00
Africa																
Algeria	0.09	0.09	0.09	0.09	1.29	1.29	1.29	1.29	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Morocco	0.05	0.05	0.04	0.04	1.40	0.89	0.88	0.88	0.06	0.04	0.04	0.04	0.00	0.00	-0.01	-12.50
South Africa	0.02	0.02	0.02	0.02	1.65	0.76	1.50	1.50	0.03	0.02	0.03	0.03	0.00	0.00	0.01	87.50
Other Europe																
Norway	0.07	0.07	0.07	0.07	2.09	4.29	4.29	4.29	0.14	0.30	0.30	0.30	0.00	0.00	0.00	0.00
Serbia	0.03	0.03	0.03	0.03	2.17	2.17	2.17	2.17	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Albania	0.01	0.01	0.01	0.01	2.08	2.14	2.14	2.14	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Bosnia and Herzegovina	0.01	0.01	0.01	0.01	2.79	1.93	2.56	2.56	0.04	0.03	0.02	0.02	0.00	0.00	0.00	-14.81
Turkey	0.10	0.10	0.10	0.10	2.30	2.30	2.40	2.40	0.23	0.23	0.24	0.24	0.00	0.00	0.01	4.35
Mexico	0.05	0.05	0.05	0.05	2.06	1.98	2.00	2.00	0.10	0.10	0.10	0.10	0.00	0.00	0.00	1.01
Others	0.02	0.01	0.01	0.01	2.00	1.86	1.86	1.86	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00

World and Selected Countries and Regions

Table 07 Rye Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	From last month MMT	Percent	From last year MMT	Percent
World	3.74	3.85	4.21	4.17	2.68	3.13	3.14	3.13	10.01	12.06	13.20	13.07	-0.13	-0.98	1.02	8.43
United States	0.11	0.13	0.16	0.16	1.95	2.16	1.91	1.91	0.21	0.27	0.30	0.30	0.00	0.00	0.03	12.59
Total Foreign	3.63	3.73	4.05	4.01	2.70	3.16	3.19	3.18	9.80	11.79	12.90	12.77	-0.13	-1.01	0.98	8.33
European Union	1.92	2.20	2.20	2.20	3.24	3.83	3.93	3.93	6.22	8.44	8.65	8.65	0.00	0.00	0.21	2.49
Former Soviet Union - 12																
Russia	0.96	0.82	0.95	0.95	2.00	1.73	1.89	1.89	1.91	1.42	1.80	1.80	0.00	0.00	0.38	26.40
Belarus	0.25	0.20	0.30	0.30	2.00	3.25	3.00	3.00	0.50	0.65	0.90	0.90	0.00	0.00	0.25	38.46
Ukraine	0.15	0.12	0.14	0.14	2.66	2.90	2.96	2.96	0.40	0.34	0.40	0.40	0.00	0.00	0.06	17.99
Kazakhstan	0.02	0.02	0.02	0.02	1.05	1.00	1.00	1.00	0.02	0.02	0.02	0.02	0.00	0.00	0.00	-13.04
Turkey	0.11	0.11	0.11	0.11	2.91	2.91	2.91	2.91	0.32	0.32	0.32	0.32	0.00	0.00	0.00	0.00
Canada	0.08	0.10	0.17	0.14	2.99	3.23	3.12	2.96	0.24	0.33	0.53	0.40	-0.13	-24.53	0.07	20.12
South America																
Chile	0.00	0.00	0.00	0.00	5.00	5.00	5.00	5.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Argentina	0.05	0.06	0.07	0.07	1.78	2.14	2.00	2.00	0.09	0.12	0.14	0.14	0.00	0.00	0.02	16.67
Other Europe																
Bosnia and Herzegovina	0.00	0.00	0.00	0.00	2.75	2.50	3.33	3.33	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Switzerland	0.00	0.00	0.00	0.00	5.50	5.50	5.50	5.50	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Serbia	0.00	0.00	0.00	0.00	2.50	2.50	2.50	2.50	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Australia	0.04	0.04	0.04	0.04	0.68	0.68	0.68	0.68	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Others	0.03	0.04	0.04	0.04	1.00	1.92	1.90	1.90	0.03	0.07	0.07	0.07	0.00	0.00	0.00	1.37

World and Selected Countries and Regions

Table 08 Sorghum Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19		2020/21 Proj. 2019/20 Aug Sep		Prel. 2018/19		2020/21 Proj. 2019/20 Aug Sep		Prel. 2018/19		2020/21 Proj. 2019/20 Aug Sep		From last month MMT Percent		From last year MMT Percent	
World	40.77	40.33	40.93	41.02	1.47	1.43	1.48	1.47	59.79	57.82	60.38	60.33	-0.05	-0.08	2.51	4.34
United States	2.05	1.89	1.96	1.96	4.53	4.58	4.81	4.64	9.27	8.67	9.43	9.09	-0.33	-3.54	0.42	4.82
Total Foreign	38.72	38.44	38.97	39.06	1.30	1.28	1.31	1.31	50.52	49.14	50.95	51.24	0.29	0.56	2.09	4.26
Africa																
Nigeria	5.80	5.90	5.90	5.90	1.16	1.13	1.17	1.17	6.72	6.67	6.90	6.90	0.00	0.00	0.24	3.53
Ethiopia	1.83	1.85	1.85	1.85	2.70	2.81	2.81	2.81	4.93	5.20	5.20	5.20	0.00	0.00	0.00	0.00
Sudan	7.11	7.00	7.00	7.00	0.70	0.57	0.71	0.71	4.95	4.00	5.00	5.00	0.00	0.00	1.00	25.00
Burkina	1.91	1.80	1.80	1.80	1.01	1.00	1.00	1.00	1.93	1.80	1.80	1.80	0.00	0.00	0.00	0.00
Mali	1.35	1.50	1.50	1.50	1.09	1.00	1.00	1.00	1.47	1.50	1.50	1.50	0.00	0.00	0.00	0.00
Niger	3.90	3.70	3.70	3.70	0.54	0.53	0.51	0.51	2.10	1.97	1.90	1.90	0.00	0.00	-0.07	-3.55
Cameroon	0.87	0.85	0.85	0.85	1.63	1.41	1.41	1.41	1.42	1.20	1.20	1.20	0.00	0.00	0.00	0.00
Tanzania	0.79	0.80	0.80	0.80	1.02	1.00	1.00	1.00	0.81	0.80	0.80	0.80	0.00	0.00	0.00	0.00
Egypt	0.14	0.14	0.14	0.14	5.36	5.36	5.36	5.36	0.75	0.75	0.75	0.75	0.00	0.00	0.00	0.00
Uganda	0.45	0.41	0.41	0.41	0.67	0.98	0.98	0.98	0.30	0.40	0.40	0.40	0.00	0.00	0.00	0.00
Ghana	0.28	0.25	0.25	0.25	1.12	1.12	1.12	1.12	0.32	0.28	0.28	0.28	0.00	0.00	0.00	0.00
Mozambique	0.25	0.30	0.30	0.30	1.18	1.08	0.67	0.67	0.30	0.33	0.20	0.20	0.00	0.00	-0.13	-38.46
South Africa	0.05	0.05	0.05	0.05	2.70	2.96	2.50	2.50	0.14	0.13	0.13	0.13	0.00	0.00	-0.01	-6.02
Mexico	1.35	1.32	1.35	1.35	3.48	3.26	3.33	3.33	4.70	4.30	4.50	4.50	0.00	0.00	0.20	4.65
South America																
Argentina	0.63	0.58	0.55	0.55	3.97	4.35	4.36	4.36	2.50	2.50	2.40	2.40	0.00	0.00	-0.10	-4.00
Brazil	0.73	0.75	0.75	0.75	2.97	3.03	2.80	2.80	2.18	2.25	2.10	2.10	0.00	0.00	-0.15	-6.83
South Asia																
India	4.09	4.71	4.80	4.80	0.85	1.00	0.92	0.92	3.48	4.73	4.40	4.40	0.00	0.00	-0.33	-7.04
Pakistan	0.24	0.24	0.25	0.25	0.59	0.58	0.58	0.58	0.14	0.14	0.15	0.15	0.00	0.00	0.01	3.57
China	0.72	0.75	0.73	0.73	4.79	4.80	4.86	4.86	3.45	3.60	3.55	3.55	0.00	0.00	-0.05	-1.39
Australia	0.55	0.15	0.50	0.60	2.11	2.00	2.80	2.83	1.16	0.30	1.40	1.70	0.30	21.43	1.40	466.67
European Union	0.13	0.16	0.17	0.17	5.70	5.34	5.53	5.53	0.75	0.88	0.94	0.94	0.00	0.00	0.06	7.31
Others	5.56	5.24	5.32	5.31	1.09	1.03	1.03	1.03	6.04	5.42	5.46	5.45	-0.02	-0.27	0.03	0.55

World and Selected Countries and Regions

Table 09 Rice Area, Yield, and Production

World and Selected Countries and Regions

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	Prel. 2018/19	2019/20	Aug	Sep	Prel. 2018/19	2019/20	Aug	Sep	From last month MMT	Percent	From last year MMT	Percent
World	162.48	160.49	162.37	162.37	4.56	4.61	4.60	4.59	496.68	495.93	500.05	499.58	-0.47	-0.09	3.64	0.73
United States	1.18	1.00	1.16	1.21	8.62	8.38	8.52	8.44	7.11	5.86	6.93	7.14	0.22	3.15	1.28	21.81
Total Foreign	161.30	159.49	161.21	161.16	4.53	4.59	4.57	4.56	489.57	490.07	493.12	492.43	-0.69	-0.14	2.36	0.48
East Asia																
China	30.19	29.69	29.80	29.80	7.03	7.06	7.05	7.05	148.49	146.73	147.00	147.00	0.00	0.00	0.27	0.18
Japan	1.55	1.54	1.54	1.54	6.79	6.78	6.82	6.82	7.66	7.61	7.65	7.65	0.00	0.00	0.04	0.51
Korea, South	0.74	0.73	0.73	0.73	6.99	6.84	7.06	7.06	3.87	3.74	3.86	3.86	0.00	0.00	0.11	3.02
Korea, North	0.50	0.50	0.50	0.50	4.18	4.18	4.18	4.18	1.36	1.36	1.36	1.36	0.00	0.00	0.00	0.00
South Asia																
India	44.16	43.78	44.00	44.50	3.96	4.06	4.02	4.01	116.48	118.43	118.00	119.00	1.00	0.85	0.57	0.48
Bangladesh	11.77	11.83	11.90	11.80	4.45	4.55	4.58	4.58	34.91	35.85	36.30	36.00	-0.30	-0.83	0.15	0.41
Pakistan	2.88	3.00	3.00	3.00	3.80	3.60	3.75	3.75	7.30	7.20	7.50	7.50	0.00	0.00	0.30	4.17
Nepal	1.49	1.46	1.49	1.49	3.76	3.80	3.70	3.70	3.74	3.70	3.68	3.68	0.00	0.00	-0.02	-0.60
Sri Lanka	0.98	0.95	0.98	0.98	4.72	4.85	4.52	4.52	3.13	3.13	3.04	3.04	0.00	0.00	-0.09	-2.94
Southeast Asia																
Indonesia	11.50	11.20	11.50	11.50	4.68	4.78	4.78	4.78	34.20	34.00	34.90	34.90	0.00	0.00	0.90	2.65
Vietnam	7.54	7.47	7.40	7.40	5.80	5.82	5.84	5.84	27.34	27.15	27.00	27.00	0.00	0.00	-0.15	-0.55
Thailand	10.83	9.89	10.80	10.30	2.85	2.70	2.81	2.74	20.34	17.66	20.00	18.60	-1.40	-7.00	0.95	5.35
Burma	7.08	6.90	7.10	7.05	2.91	2.88	2.88	2.88	13.20	12.70	13.10	13.00	-0.10	-0.76	0.30	2.36
Philippines	4.74	4.64	4.45	4.45	3.93	4.08	3.92	3.92	11.73	11.93	11.00	11.00	0.00	0.00	-0.93	-7.77
Cambodia	3.24	3.26	3.28	3.28	2.91	2.89	2.89	2.89	5.74	5.74	5.78	5.78	0.00	0.00	0.04	0.70
Laos	0.86	0.97	0.98	0.98	3.12	3.19	3.24	3.24	1.68	1.95	2.00	2.00	0.00	0.00	0.05	2.56
Malaysia	0.70	0.70	0.70	0.70	4.01	4.01	4.01	4.01	1.83	1.83	1.83	1.83	0.00	0.00	0.00	0.00
South America																
Brazil	1.70	1.66	1.60	1.70	6.18	6.70	6.63	6.35	7.14	7.56	7.21	7.34	0.14	1.89	-0.22	-2.87
Peru	0.44	0.42	0.42	0.42	8.12	7.57	7.62	7.62	2.46	2.20	2.22	2.22	0.00	0.00	0.02	0.68
Africa																
Egypt	0.46	0.76	0.76	0.76	8.78	8.20	8.20	8.20	2.80	4.30	4.30	4.30	0.00	0.00	0.00	0.00
Madagascar	1.50	1.50	1.50	1.50	2.69	2.80	2.67	2.67	2.58	2.69	2.56	2.56	0.00	0.00	-0.13	-4.76
Nigeria	3.35	3.50	3.50	3.50	2.15	2.29	2.29	2.29	4.54	5.04	5.04	5.04	0.00	0.00	0.00	0.00
European Union	0.41	0.42	0.42	0.42	6.86	6.84	6.76	6.78	1.97	1.98	1.97	1.99	0.02	0.76	0.01	0.30
Iran	0.58	0.58	0.58	0.58	5.25	5.25	5.27	5.27	1.99	1.99	2.00	2.00	0.00	0.00	0.01	0.35
Others	12.12	12.15	12.29	12.29	2.89	2.95	2.94	2.94	23.11	23.61	23.85	23.81	-0.04	-0.16	0.19	0.82

Yield is on a rough basis, before the milling process. Production is on a milled basis, after the milling process.

Table 10 Total Oilseed Area, Yield, and Production

World and Selected Countries and Regions

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	From last month MMT	Percent	From last year MMT	Percent
World Total	--	--	--	--	--	--	--	--	600.87	577.26	610.42	609.15	-1.27	-0.21	31.89	5.52
Total Foreign	--	--	--	--	--	--	--	--	470.15	470.27	479.64	481.43	1.79	0.37	11.16	2.37
Oilseed, Copra	--	--	--	--	--	--	--	--	5.98	5.86	5.77	5.77	0.00	0.00	-0.09	-1.59
Oilseed, Palm Kernel	--	--	--	--	--	--	--	--	20.17	19.95	20.38	20.38	0.00	0.00	0.43	2.18
Major OilSeeds	248.43	245.42	248.86	249.81	2.31	2.25	2.35	2.33	574.72	551.46	584.27	583.00	-1.27	-0.22	31.54	5.72
United States	41.33	36.88	39.28	39.24	3.16	2.90	3.33	3.25	130.72	107.00	130.79	127.72	-3.06	-2.34	20.73	19.37
Foreign Oilseeds	207.10	208.54	209.58	210.57	2.14	2.13	2.16	2.16	444.00	444.46	453.49	455.28	1.79	0.40	10.82	2.43
South America	63.21	64.30	66.42	66.39	3.17	3.13	3.17	3.19	200.37	201.10	210.72	212.05	1.32	0.63	10.95	5.44
Brazil	37.75	38.78	40.06	40.36	3.30	3.38	3.38	3.41	124.49	131.07	135.54	137.54	2.00	1.48	6.47	4.93
Argentina	19.16	19.29	19.93	19.67	3.18	2.83	2.97	2.98	60.83	54.64	59.14	58.53	-0.60	-1.02	3.90	7.14
Paraguay	3.62	3.61	3.73	3.73	2.38	2.77	2.78	2.78	8.60	10.01	10.38	10.38	0.00	0.00	0.37	3.68
Bolivia	1.51	1.51	1.54	1.54	2.07	1.93	1.97	1.97	3.13	2.92	3.03	3.03	0.00	0.00	0.11	3.73
Uruguay	1.02	0.97	1.01	0.95	2.86	2.16	2.20	2.33	2.92	2.09	2.21	2.20	-0.01	-0.45	0.11	5.26
China	24.01	25.20	25.10	25.05	2.50	2.49	2.47	2.48	59.95	62.63	61.90	62.18	0.28	0.45	-0.45	-0.72
South Asia	39.29	41.28	41.21	42.21	0.99	0.96	1.00	1.00	39.03	39.70	41.37	42.42	1.05	2.53	2.72	6.85
India	36.12	37.82	37.75	38.95	0.96	0.95	0.99	0.99	34.78	35.92	37.39	38.57	1.18	3.15	2.65	7.39
Pakistan	2.80	3.09	3.10	2.90	1.36	1.08	1.14	1.17	3.81	3.33	3.53	3.40	-0.13	-3.68	0.06	1.92
European Union	12.24	11.14	10.95	11.07	2.68	2.67	2.74	2.70	32.78	29.78	30.01	29.91	-0.10	-0.33	0.14	0.45
Former Soviet Union - 12	25.62	26.10	25.30	25.30	1.80	1.96	1.92	1.86	46.11	51.13	48.61	47.16	-1.45	-2.98	-3.96	-7.75
Russia	12.18	12.56	12.30	12.30	1.54	1.73	1.66	1.61	18.73	21.70	20.40	19.80	-0.60	-2.94	-1.90	-8.77
Ukraine	9.38	9.70	9.40	9.40	2.42	2.52	2.51	2.43	22.68	24.46	23.60	22.80	-0.80	-3.39	-1.66	-6.80
Uzbekistan	1.10	1.01	0.98	0.98	1.17	1.36	1.31	1.31	1.28	1.37	1.27	1.27	0.00	0.00	-0.10	-7.35
Canada	11.69	10.76	10.37	10.34	2.40	2.38	2.40	2.48	28.07	25.59	24.86	25.60	0.74	2.96	0.01	0.04
Africa	22.12	21.68	21.43	21.42	1.03	0.96	0.97	0.97	22.81	20.82	20.89	20.87	-0.02	-0.09	0.06	0.27
Nigeria	3.79	3.78	3.79	3.79	1.37	1.14	1.24	1.24	5.19	4.30	4.70	4.70	0.00	0.00	0.40	9.30
South Africa	1.31	1.27	1.31	1.31	1.51	1.71	1.59	1.59	1.97	2.17	2.09	2.09	0.00	0.00	-0.08	-3.87
Tanzania	1.42	1.60	1.45	1.45	0.89	0.85	0.87	0.87	1.26	1.36	1.26	1.26	0.00	0.00	-0.10	-7.06
Southeast Asia	3.32	3.13	3.21	3.21	1.39	1.38	1.39	1.39	4.60	4.31	4.47	4.47	0.00	0.00	0.16	3.71
Indonesia	0.99	0.95	0.94	0.94	1.56	1.55	1.54	1.54	1.55	1.47	1.45	1.45	0.00	0.00	-0.03	-1.70
Burma	2.01	1.87	1.97	1.97	1.20	1.18	1.21	1.21	2.41	2.21	2.38	2.38	0.00	0.00	0.17	7.79
Australia	2.56	1.91	2.72	2.76	1.22	1.36	1.46	1.46	3.11	2.60	3.96	4.02	0.06	1.51	1.42	54.77
Turkey	1.33	1.39	1.20	1.15	2.53	2.31	2.52	2.56	3.36	3.22	3.02	2.93	-0.09	-2.82	-0.29	-8.85
Others	1.73	1.66	1.67	1.67	2.21	2.17	2.20	2.20	3.81	3.60	3.66	3.66	0.00	0.00	0.07	1.81

World Total and Total Foreign: (Major Oilseeds plus copra and palm kernel) Major Oilseeds: (soybeans, sunflowerseeds, peanuts(inshell), cottonseed and rapeseed)

Table 11 Soybean Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	Prel. 2018/19	2019/20	Aug	Sep	Prel. 2018/19	2019/20	Aug	Sep	From last month MMT	Percent	From last year MMT	Percent
World	125.17	122.65	126.87	127.59	2.88	2.75	2.92	2.90	361.06	337.30	370.40	369.74	-0.66	-0.18	32.44	9.62
United States	35.45	30.33	33.60	33.60	3.40	3.19	3.58	3.49	120.52	96.68	120.42	117.38	-3.05	-2.53	20.70	21.41
Total Foreign	89.72	92.32	93.27	93.99	2.68	2.61	2.68	2.69	240.55	240.62	249.98	252.37	2.39	0.96	11.74	4.88
South America																
Brazil	35.90	36.90	38.30	38.60	3.33	3.41	3.42	3.45	119.70	126.00	131.00	133.00	2.00	1.53	7.00	5.56
Argentina	16.60	16.90	17.30	17.30	3.33	2.94	3.09	3.09	55.30	49.70	53.50	53.50	0.00	0.00	3.80	7.65
Paraguay	3.54	3.54	3.65	3.65	2.40	2.80	2.81	2.81	8.51	9.90	10.25	10.25	0.00	0.00	0.35	3.54
Bolivia	1.40	1.40	1.43	1.43	2.14	2.00	2.03	2.03	2.99	2.80	2.90	2.90	0.00	0.00	0.10	3.57
Uruguay	0.97	0.91	0.94	0.88	2.93	2.19	2.23	2.38	2.83	1.99	2.10	2.09	-0.01	-0.48	0.10	5.03
East Asia																
China	8.41	9.30	9.30	9.30	1.90	1.95	1.88	1.88	15.97	18.10	17.50	17.50	0.00	0.00	-0.60	-3.31
Korea, South	0.05	0.06	0.06	0.06	1.75	1.81	1.80	1.80	0.09	0.11	0.11	0.11	0.00	0.00	0.00	2.86
Korea, North	0.15	0.15	0.15	0.15	1.50	1.50	1.50	1.50	0.23	0.23	0.23	0.23	0.00	0.00	0.00	0.00
Japan	0.15	0.14	0.14	0.14	1.45	1.47	1.65	1.65	0.21	0.21	0.24	0.24	0.00	0.00	0.02	10.85
India	11.33	12.00	11.70	12.20	0.96	0.78	0.92	0.92	10.93	9.30	10.75	11.20	0.45	4.19	1.90	20.43
Canada	2.54	2.27	2.04	2.00	2.92	2.66	2.84	3.00	7.42	6.05	5.80	6.00	0.20	3.45	-0.05	-0.74
Former Soviet Union - 12																
Russia	2.74	2.78	2.70	2.70	1.47	1.57	1.59	1.59	4.03	4.36	4.30	4.30	0.00	0.00	-0.06	-1.35
Ukraine	1.88	1.96	1.50	1.50	2.58	2.29	2.40	2.20	4.83	4.50	3.60	3.30	-0.30	-8.33	-1.20	-26.65
European Union	0.92	0.92	0.92	0.94	2.91	2.85	2.99	2.99	2.67	2.62	2.75	2.80	0.05	1.82	0.19	7.07
Southeast Asia																
Indonesia	0.42	0.40	0.39	0.39	1.24	1.20	1.22	1.22	0.52	0.48	0.48	0.48	0.00	0.00	-0.01	-1.04
Vietnam	0.05	0.05	0.05	0.05	1.62	1.53	1.53	1.53	0.08	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Thailand	0.04	0.03	0.03	0.03	1.57	1.53	1.63	1.63	0.06	0.05	0.05	0.05	0.00	0.00	0.00	0.00
Burma	0.14	0.14	0.14	0.14	1.04	1.04	1.04	1.04	0.15	0.15	0.14	0.14	0.00	0.00	-0.01	-3.45
Serbia	0.22	0.22	0.22	0.22	2.84	2.73	2.89	2.89	0.63	0.60	0.64	0.64	0.00	0.00	0.04	5.83
Mexico	0.19	0.15	0.20	0.20	1.75	1.57	1.74	1.74	0.34	0.24	0.35	0.35	0.00	0.00	0.11	48.09
Africa																
South Africa	0.73	0.71	0.72	0.72	1.60	1.79	1.81	1.81	1.17	1.26	1.30	1.30	0.00	0.00	0.04	3.17
Nigeria	0.70	0.71	0.72	0.72	0.96	0.99	0.97	0.97	0.67	0.70	0.70	0.70	0.00	0.00	0.00	0.00
Zambia	0.19	0.20	0.19	0.19	1.58	1.43	1.50	1.50	0.30	0.28	0.29	0.29	0.00	0.00	0.00	1.42
Uganda	0.05	0.05	0.05	0.05	0.60	0.60	0.60	0.60	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Middle East																
Iran	0.07	0.07	0.07	0.07	2.29	2.43	2.41	2.41	0.16	0.17	0.17	0.17	0.00	0.00	0.00	-0.59
Turkey	0.03	0.03	0.03	0.03	3.80	3.89	3.79	3.79	0.10	0.11	0.11	0.11	0.00	0.00	0.01	4.76
Others	0.33	0.34	0.34	0.34	2.01	1.89	1.89	1.89	0.66	0.64	0.64	0.64	0.00	0.00	0.00	0.00

World and Selected Countries and Regions

Table 12 Cottonseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	From last month MMT	Percent	From last year MMT	Percent
World	32.70	34.31	32.45	32.28	1.32	1.29	1.32	1.33	43.11	44.33	43.00	42.97	-0.03	-0.06	-1.36	-3.07
United States	4.04	4.70	3.74	3.64	1.26	1.15	1.34	1.30	5.11	5.39	5.02	4.74	-0.28	-5.56	-0.66	-12.15
Total Foreign	28.66	29.61	28.71	28.64	1.33	1.32	1.32	1.33	38.01	38.94	37.98	38.23	0.25	0.67	-0.71	-1.82
South Asia																
India	12.60	13.30	13.20	13.40	0.87	0.94	0.96	0.95	10.95	12.52	12.61	12.74	0.13	1.02	0.21	1.70
Pakistan	2.30	2.45	2.40	2.20	1.43	1.10	1.17	1.22	3.29	2.69	2.82	2.69	-0.13	-4.62	0.00	0.00
China	3.50	3.45	3.30	3.25	3.11	3.10	3.15	3.29	10.88	10.68	10.40	10.68	0.28	2.68	0.00	0.00
Former Soviet Union - 12																
Uzbekistan	1.10	1.01	0.98	0.98	1.17	1.36	1.31	1.31	1.28	1.37	1.27	1.27	0.00	0.00	-0.10	-7.35
Turkmenistan	0.55	0.55	0.60	0.60	0.65	0.66	0.66	0.66	0.36	0.36	0.40	0.40	0.00	0.00	0.04	9.72
Tajikistan	0.18	0.18	0.16	0.16	0.90	1.27	1.22	1.22	0.16	0.23	0.20	0.20	0.00	0.00	-0.03	-14.85
Kazakhstan	0.13	0.13	0.11	0.11	1.05	1.13	1.12	1.12	0.14	0.14	0.12	0.12	0.00	0.00	-0.02	-12.77
South America																
Brazil	1.64	1.67	1.55	1.55	2.59	2.66	2.53	2.53	4.25	4.45	3.93	3.93	0.00	0.00	-0.52	-11.73
Argentina	0.34	0.45	0.43	0.43	0.73	0.68	0.67	0.67	0.25	0.30	0.29	0.29	0.00	0.00	-0.02	-5.94
Middle East																
Turkey	0.52	0.57	0.40	0.35	2.35	1.98	2.45	2.61	1.22	1.13	0.98	0.91	-0.07	-6.64	-0.21	-18.83
Syria	0.03	0.03	0.03	0.03	2.36	2.36	2.36	2.36	0.06	0.06	0.06	0.06	0.00	0.00	0.00	0.00
Iran	0.08	0.08	0.08	0.08	1.16	1.16	1.16	1.16	0.09	0.09	0.09	0.09	0.00	0.00	0.00	0.00
Australia	0.38	0.06	0.26	0.30	1.74	3.12	2.19	2.10	0.66	0.19	0.57	0.63	0.06	10.53	0.44	236.90
European Union	0.31	0.35	0.34	0.34	1.75	1.81	1.67	1.67	0.55	0.64	0.56	0.56	0.00	0.00	-0.08	-12.05
Africa																
Burkina	0.63	0.58	0.58	0.58	0.37	0.42	0.43	0.43	0.24	0.24	0.25	0.25	0.00	0.00	0.01	2.47
Mali	0.73	0.74	0.52	0.52	0.50	0.52	0.52	0.52	0.36	0.38	0.27	0.27	0.00	0.00	-0.11	-29.84
Cameroon	0.25	0.25	0.25	0.25	1.20	1.29	1.28	1.28	0.30	0.32	0.32	0.32	0.00	0.00	0.00	-0.62
Cote d'Ivoire	0.39	0.41	0.41	0.41	0.64	0.66	0.69	0.69	0.25	0.27	0.28	0.28	0.00	0.00	0.01	4.85
Benin	0.65	0.67	0.67	0.67	0.71	0.71	0.71	0.71	0.46	0.47	0.47	0.47	0.00	0.00	0.00	0.00
Tanzania	0.42	0.60	0.45	0.45	0.39	0.43	0.36	0.36	0.16	0.26	0.16	0.16	0.00	0.00	-0.10	-37.07
Egypt	0.14	0.10	0.07	0.07	1.06	0.92	1.00	1.00	0.15	0.09	0.07	0.07	0.00	0.00	-0.03	-29.35
Nigeria	0.27	0.27	0.27	0.27	0.38	0.38	0.38	0.38	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00
Uganda	0.08	0.09	0.10	0.10	1.74	1.67	1.40	1.40	0.14	0.15	0.14	0.14	0.00	0.00	-0.01	-6.04
Zimbabwe	0.20	0.20	0.21	0.21	0.38	0.36	0.36	0.36	0.08	0.07	0.08	0.08	0.00	0.00	0.00	5.56
Sudan	0.18	0.20	0.20	0.20	1.42	1.53	1.41	1.41	0.26	0.31	0.28	0.28	0.00	0.00	-0.02	-7.84
Mexico	0.24	0.23	0.16	0.16	2.44	2.37	2.24	2.24	0.59	0.53	0.36	0.36	0.00	0.00	-0.18	-32.83
Burma	0.24	0.25	0.24	0.24	1.21	1.22	1.25	1.25	0.29	0.30	0.30	0.30	0.00	0.00	0.00	0.67
Others	0.59	0.78	0.78	0.77	0.84	0.76	0.79	0.78	0.49	0.59	0.62	0.60	-0.02	-2.92	0.01	0.84

World and Selected Countries and Regions

Table 13 Peanut Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	From last month MMT	Percent	From last year MMT	Percent
World	27.96	27.17	27.92	28.49	1.68	1.70	1.68	1.68	47.09	46.07	46.96	47.83	0.86	1.84	1.76	3.82
United States	0.56	0.56	0.60	0.66	4.48	4.43	4.73	4.69	2.49	2.49	2.82	3.08	0.26	9.33	0.59	23.59
Total Foreign	27.40	26.61	27.33	27.83	1.63	1.64	1.62	1.61	44.60	43.57	44.15	44.75	0.60	1.36	1.17	2.69
China	4.62	4.60	4.60	4.60	3.75	3.80	3.80	3.80	17.33	17.50	17.50	17.50	0.00	0.00	0.00	0.00
Africa																
Nigeria	2.82	2.80	2.80	2.80	1.57	1.25	1.39	1.39	4.42	3.50	3.90	3.90	0.00	0.00	0.40	11.43
Sudan	3.07	2.30	2.30	2.30	0.94	0.78	0.78	0.78	2.88	1.80	1.80	1.80	0.00	0.00	0.00	0.00
Senegal	1.13	1.11	1.20	1.20	1.32	1.28	1.08	1.08	1.50	1.42	1.30	1.30	0.00	0.00	-0.12	-8.45
Cameroon	0.43	0.43	0.43	0.43	1.40	1.40	1.40	1.40	0.60	0.60	0.60	0.60	0.00	0.00	0.00	0.00
Ghana	0.79	0.75	0.75	0.75	0.98	0.87	0.87	0.87	0.77	0.65	0.65	0.65	0.00	0.00	0.00	0.00
Chad	0.79	0.77	0.77	0.77	1.14	1.10	1.10	1.10	0.89	0.85	0.85	0.85	0.00	0.00	0.00	0.00
Malawi	0.41	0.40	0.40	0.40	0.85	0.88	0.88	0.88	0.35	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Congo (Kinshasa)	0.50	0.50	0.50	0.50	0.85	0.85	0.85	0.85	0.42	0.42	0.42	0.42	0.00	0.00	0.00	0.00
Niger	0.93	0.90	0.92	0.92	0.64	0.56	0.65	0.65	0.59	0.50	0.59	0.59	0.00	0.00	0.09	18.80
Mali	0.38	0.43	0.43	0.43	1.31	1.00	1.00	1.00	0.49	0.43	0.43	0.43	0.00	0.00	0.00	0.00
Uganda	0.43	0.43	0.43	0.43	0.71	0.71	0.71	0.71	0.30	0.30	0.30	0.30	0.00	0.00	0.00	0.00
Burkina	0.39	0.56	0.56	0.56	0.84	0.80	0.80	0.80	0.33	0.45	0.45	0.45	0.00	0.00	0.00	0.00
Guinea	0.79	0.75	0.75	0.75	0.98	1.00	1.00	1.00	0.77	0.75	0.75	0.75	0.00	0.00	0.00	0.00
Egypt	0.06	0.06	0.06	0.06	3.20	3.20	3.20	3.20	0.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00
Central African Republic	0.10	0.10	0.10	0.10	1.50	1.50	1.50	1.50	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
South Africa	0.02	0.04	0.04	0.04	1.30	1.84	1.50	1.50	0.03	0.07	0.06	0.06	0.00	0.00	-0.01	-14.29
Mozambique	0.38	0.38	0.38	0.38	0.34	0.34	0.34	0.34	0.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.15	0.15	0.15	0.15	1.45	1.45	1.45	1.45	0.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00
Benin	0.23	0.19	0.19	0.19	1.00	0.92	0.92	0.92	0.23	0.18	0.18	0.18	0.00	0.00	0.00	0.00
South Asia																
India	4.73	4.88	5.40	5.90	1.00	1.28	1.15	1.15	4.72	6.26	6.20	6.80	0.60	9.68	0.55	8.71
Pakistan	0.12	0.09	0.10	0.10	0.89	0.98	0.92	0.92	0.10	0.09	0.09	0.09	0.00	0.00	0.00	-1.10
Southeast Asia																
Indonesia	0.57	0.55	0.55	0.55	1.80	1.80	1.78	1.78	1.03	0.99	0.97	0.97	0.00	0.00	-0.02	-2.02
Burma	1.03	0.89	0.99	0.99	1.53	1.55	1.57	1.57	1.58	1.38	1.55	1.55	0.00	0.00	0.18	12.73
Vietnam	0.18	0.18	0.18	0.18	2.48	2.48	2.48	2.48	0.44	0.43	0.45	0.45	0.00	0.00	0.01	3.00
Thailand	0.02	0.02	0.02	0.02	1.67	1.67	1.67	1.67	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00
South America																
Argentina	0.33	0.37	0.33	0.33	4.35	3.53	4.00	4.00	1.42	1.30	1.32	1.32	0.00	0.00	0.02	1.54
Brazil	0.15	0.16	0.16	0.16	2.96	3.47	3.38	3.38	0.44	0.55	0.54	0.54	0.00	0.00	-0.01	-0.92
Mexico	0.05	0.05	0.06	0.06	1.75	1.74	1.73	1.73	0.09	0.08	0.10	0.10	0.00	0.00	0.02	24.39
Others	1.84	1.80	1.80	1.80	1.16	1.12	1.15	1.15	2.15	2.01	2.07	2.07	0.00	0.00	0.06	3.09

World and Selected Countries and Regions

Table 14 Sunflowerseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	From last month MMT	Percent	From last year MMT	Percent
World	25.80	26.39	26.89	26.75	1.96	2.09	2.08	2.02	50.59	55.05	55.80	54.02	-1.79	-3.20	-1.04	-1.89
United States	0.49	0.50	0.60	0.60	1.94	1.75	1.84	1.84	0.96	0.88	1.10	1.10	0.00	0.00	0.21	24.26
Total Foreign	25.31	25.89	26.29	26.16	1.96	2.09	2.08	2.02	49.64	54.17	54.70	52.92	-1.79	-3.26	-1.25	-2.31
Former Soviet Union - 12																
Russia	7.94	8.36	8.20	8.20	1.60	1.83	1.71	1.65	12.71	15.31	14.00	13.50	-0.50	-3.57	-1.81	-11.79
Ukraine	6.50	6.40	6.80	6.80	2.31	2.58	2.57	2.50	15.00	16.50	17.50	17.00	-0.50	-2.86	0.50	3.03
Kazakhstan	0.85	0.82	0.70	0.70	1.00	1.13	1.07	1.07	0.85	0.92	0.75	0.75	0.00	0.00	-0.17	-18.30
European Union	4.02	4.31	4.24	4.35	2.37	2.24	2.33	2.24	9.51	9.64	9.90	9.75	-0.15	-1.52	0.11	1.11
South America																
Argentina	1.88	1.56	1.86	1.60	2.04	2.11	2.15	2.13	3.83	3.30	4.00	3.40	-0.60	-15.00	0.10	3.03
Uruguay	0.06	0.06	0.07	0.07	1.61	1.67	1.69	1.69	0.09	0.10	0.11	0.11	0.00	0.00	0.01	10.00
Bolivia	0.11	0.11	0.11	0.11	1.25	1.10	1.20	1.20	0.14	0.12	0.13	0.13	0.00	0.00	0.01	7.38
Brazil	0.06	0.05	0.05	0.05	1.67	1.60	1.50	1.50	0.11	0.08	0.08	0.08	0.00	0.00	-0.01	-6.25
Paraguay	0.03	0.03	0.03	0.03	1.58	1.70	1.70	1.70	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00
China	0.92	1.25	1.25	1.25	2.71	2.60	2.64	2.64	2.49	3.25	3.30	3.30	0.00	0.00	0.05	1.54
South Asia																
India	0.26	0.24	0.25	0.25	0.65	0.58	0.76	0.76	0.17	0.14	0.19	0.19	0.00	0.00	0.05	32.14
Pakistan	0.12	0.14	0.15	0.15	1.20	1.04	1.07	1.07	0.14	0.15	0.16	0.16	0.00	0.00	0.02	10.34
Middle East																
Turkey	0.72	0.73	0.70	0.70	2.52	2.40	2.40	2.37	1.80	1.75	1.68	1.66	-0.02	-1.19	-0.09	-5.14
Iran	0.04	0.04	0.04	0.04	1.08	1.08	1.08	1.08	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00
Israel	0.01	0.01	0.01	0.01	1.60	1.60	1.60	1.60	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
Africa																
Egypt	0.01	0.01	0.01	0.01	2.38	2.38	2.38	2.38	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
Morocco	0.02	0.02	0.02	0.02	1.29	1.25	1.25	1.25	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
South Africa	0.52	0.50	0.52	0.52	1.32	1.57	1.27	1.27	0.68	0.79	0.66	0.66	0.00	0.00	-0.13	-15.92
Burma	0.60	0.60	0.60	0.60	0.65	0.65	0.65	0.65	0.39	0.39	0.39	0.39	0.00	0.00	0.00	0.00
Canada	0.03	0.03	0.03	0.04	2.11	2.17	2.14	2.38	0.06	0.06	0.06	0.10	0.04	58.33	0.03	50.79
Australia	0.02	0.02	0.02	0.02	1.21	1.25	1.26	1.26	0.02	0.03	0.03	0.03	0.00	0.00	0.00	16.00
Others	0.60	0.59	0.65	0.65	2.49	2.53	2.51	2.43	1.50	1.50	1.62	1.57	-0.05	-3.09	0.07	4.53

World and Selected Countries and Regions

Table 15 Rapeseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	2020/21 Proj. Sep	From last month MMT	Percent	From last year MMT	Percent
World	36.81	34.90	34.72	34.71	1.98	1.97	1.96	1.97	72.86	68.71	68.11	68.45	0.33	0.49	-0.26	-0.38
United States	0.79	0.78	0.75	0.75	2.09	2.00	1.92	1.92	1.64	1.55	1.43	1.43	0.00	0.00	-0.12	-7.86
Total Foreign	36.02	34.12	33.98	33.96	1.98	1.97	1.96	1.97	71.21	67.15	66.68	67.02	0.33	0.50	-0.14	-0.20
European Union	7.00	5.56	5.45	5.45	2.87	3.04	3.08	3.08	20.06	16.88	16.80	16.80	0.00	0.00	-0.08	-0.47
Canada	9.12	8.46	8.30	8.30	2.26	2.30	2.29	2.35	20.59	19.48	19.00	19.50	0.50	2.63	0.02	0.12
China	6.55	6.60	6.65	6.65	2.03	1.98	1.98	1.98	13.28	13.10	13.20	13.20	0.00	0.00	0.10	0.76
South Asia																
India	7.20	7.40	7.20	7.20	1.11	1.04	1.06	1.06	8.00	7.70	7.65	7.65	0.00	0.00	-0.05	-0.65
Pakistan	0.26	0.40	0.45	0.45	1.04	1.03	1.02	1.02	0.27	0.41	0.46	0.46	0.00	0.00	0.05	12.20
Bangladesh	0.25	0.25	0.25	0.25	0.92	0.92	0.92	0.92	0.23	0.23	0.23	0.23	0.00	0.00	0.00	0.00
Former Soviet Union - 12																
Russia	1.50	1.42	1.40	1.40	1.33	1.44	1.50	1.43	1.99	2.04	2.10	2.00	-0.10	-4.76	-0.04	-1.96
Ukraine	1.00	1.34	1.10	1.10	2.85	2.59	2.27	2.27	2.85	3.47	2.50	2.50	0.00	0.00	-0.97	-27.85
Belarus	0.35	0.34	0.35	0.35	1.31	1.68	1.57	1.57	0.46	0.58	0.55	0.55	0.00	0.00	-0.03	-4.84
Kazakhstan	0.37	0.27	0.12	0.12	1.08	0.90	1.04	1.04	0.39	0.24	0.13	0.13	0.00	0.00	-0.12	-48.13
Australia	2.12	1.80	2.40	2.40	1.12	1.29	1.38	1.38	2.37	2.33	3.30	3.30	0.00	0.00	0.97	41.63
South America																
Chile	0.05	0.04	0.05	0.03	3.85	4.05	4.00	4.00	0.19	0.15	0.20	0.14	-0.06	-32.00	-0.02	-11.69
Paraguay	0.03	0.03	0.04	0.04	1.20	1.87	1.88	1.88	0.04	0.06	0.08	0.08	0.00	0.00	0.02	33.93
Switzerland	0.02	0.02	0.02	0.02	3.14	3.14	3.14	3.14	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Ethiopia	0.04	0.04	0.04	0.04	1.57	1.86	1.86	1.86	0.06	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Others	0.18	0.17	0.16	0.16	2.14	2.14	2.24	2.24	0.38	0.36	0.36	0.36	0.00	-0.84	0.00	-0.56

World and Selected Countries and Regions

Table 16 Copra, Palm Kernel, and Palm Oil Production

Country / Region	Production (Million metric tons)				Change in Production			
	Prel.	2019/20	2020/21 Proj. Aug	Sep	From last month		From last year	
	2018/19				MMT	Percent	MMT	Percent
Oilseed, Copra								
Philippines	2.63	2.50	2.40	2.40	0.00	0.00	-0.10	-4.00
Indonesia	1.64	1.66	1.66	1.66	0.00	0.00	0.00	0.00
India	0.75	0.75	0.75	0.75	0.00	0.00	0.00	0.00
Vietnam	0.29	0.29	0.30	0.30	0.00	0.00	0.01	3.45
Mexico	0.22	0.22	0.22	0.22	0.00	0.00	0.00	0.00
Papua New Guinea	0.10	0.08	0.08	0.08	0.00	0.00	0.00	0.00
Thailand	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Sri Lanka	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Solomon Islands	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
World	5.98	5.86	5.77	5.77	0.00	0.00	-0.09	-1.54
Oilseed, Palm Kernel								
Indonesia	10.90	11.25	11.46	11.46	0.00	0.00	0.21	1.87
Malaysia	5.15	4.75	4.90	4.90	0.00	0.00	0.15	3.16
Thailand	0.87	0.89	0.90	0.90	0.00	0.00	0.01	1.12
Nigeria	0.73	0.73	0.73	0.73	0.00	0.00	0.00	0.00
Ghana	0.77	0.65	0.65	0.65	0.00	0.00	0.00	0.00
Colombia	0.33	0.31	0.35	0.35	0.00	0.00	0.04	12.90
Guatemala	0.20	0.17	0.17	0.17	0.00	0.00	0.00	0.00
Papua New Guinea	0.18	0.16	0.16	0.16	0.00	0.00	0.00	0.00
Brazil	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00
Honduras	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00
World	20.17	19.95	20.38	20.38	0.00	0.00	0.43	2.16
Oil, Palm								
Indonesia	41.50	42.50	43.50	43.50	0.00	0.00	1.00	2.35
Malaysia	20.80	19.00	19.70	19.70	0.00	0.00	0.70	3.68
Thailand	3.00	2.80	3.10	3.10	0.00	0.00	0.30	10.71
Colombia	1.63	1.53	1.67	1.67	0.00	0.00	0.14	9.15
Nigeria	1.02	1.02	1.02	1.02	0.00	0.00	0.00	0.00
Guatemala	0.85	0.85	0.85	0.85	0.00	0.00	0.00	0.00
Honduras	0.58	0.58	0.58	0.58	0.00	0.00	0.00	0.00
Papua New Guinea	0.71	0.56	0.56	0.56	0.00	0.00	0.00	0.00
Ecuador	0.56	0.55	0.62	0.62	0.00	0.00	0.07	12.73
Brazil	0.53	0.54	0.54	0.54	0.00	0.00	0.00	0.00
World	74.02	72.77	75.00	75.00	0.00	0.00	2.23	3.06

World and Selected Countries and Regions

Table 17 Cotton Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Kilograms per hectare)				Production (Million 480 lb. bales)				Change in Production			
	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	Prel. 2018/19	2019/20	2020/21 Proj. Aug	Sep	From last month MBales	Percent	From last year MBales	Percent
World	33.36	34.98	33.11	32.94	774	759	773	775	118.65	121.98	117.53	117.20	-0.33	-0.28	-4.78	-3.92
United States	4.04	4.70	3.74	3.64	989	922	1,052	1,020	18.37	19.91	18.08	17.06	-1.02	-5.62	-2.85	-14.31
Total Foreign	29.31	30.28	29.36	29.29	745	734	737	744	100.29	102.07	99.45	100.14	0.69	0.69	-1.93	-1.89
South Asia																
India	12.60	13.30	13.20	13.40	446	483	490	487	25.80	29.50	29.70	30.00	0.30	1.01	0.50	1.69
Pakistan	2.30	2.45	2.40	2.20	719	551	590	614	7.60	6.20	6.50	6.20	-0.30	-4.62	0.00	0.00
China	3.50	3.45	3.30	3.25	1,726	1,720	1,748	1,826	27.75	27.25	26.50	27.25	0.75	2.83	0.00	0.00
South America																
Brazil	1.64	1.67	1.55	1.55	1,726	1,747	1,686	1,686	13.00	13.40	12.00	12.00	0.00	0.00	-1.40	-10.45
Argentina	0.34	0.45	0.43	0.43	728	685	666	666	1.12	1.40	1.30	1.30	0.00	0.00	-0.10	-7.14
Paraguay	0.01	0.01	0.01	0.01	416	416	416	416	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
Africa																
Burkina	0.63	0.58	0.58	0.58	294	330	341	341	0.85	0.88	0.90	0.90	0.00	0.00	0.02	2.27
Mali	0.73	0.74	0.52	0.52	381	400	402	402	1.27	1.35	0.95	0.95	0.00	0.00	-0.40	-29.63
Cote d'Ivoire	0.39	0.41	0.41	0.41	520	528	531	531	0.94	0.99	1.00	1.00	0.00	0.00	0.01	1.01
Benin	0.65	0.67	0.67	0.67	469	467	467	467	1.40	1.43	1.43	1.43	0.00	0.00	0.00	0.00
Egypt	0.14	0.10	0.07	0.07	757	664	720	720	0.49	0.31	0.22	0.22	0.00	0.00	-0.09	-29.51
Cameroon	0.25	0.25	0.25	0.25	523	562	557	557	0.60	0.65	0.64	0.64	0.00	0.00	-0.01	-0.78
Tanzania	0.42	0.60	0.45	0.45	194	216	181	181	0.38	0.60	0.38	0.38	0.00	0.00	-0.22	-36.97
Nigeria	0.27	0.27	0.27	0.27	190	190	190	190	0.24	0.24	0.24	0.24	0.00	0.00	0.00	0.00
Zimbabwe	0.20	0.20	0.21	0.21	218	207	207	207	0.20	0.19	0.20	0.20	0.00	0.00	0.01	5.26
Ethiopia	0.08	0.08	0.08	0.08	687	680	637	637	0.24	0.25	0.24	0.24	0.00	0.00	-0.01	-4.00
Former Soviet Union - 12																
Uzbekistan	1.10	1.01	0.98	0.98	648	754	726	726	3.28	3.50	3.25	3.25	0.00	0.00	-0.25	-7.14
Turkmenistan	0.55	0.55	0.60	0.60	364	368	367	367	0.91	0.92	1.01	1.01	0.00	0.00	0.09	9.78
Tajikistan	0.18	0.18	0.16	0.16	502	708	680	680	0.42	0.59	0.50	0.50	0.00	0.00	-0.09	-14.53
Kazakhstan	0.13	0.13	0.11	0.11	587	627	623	623	0.35	0.36	0.32	0.32	0.00	0.00	-0.05	-12.50
Middle East																
Turkey	0.52	0.57	0.40	0.35	1,570	1,318	1,633	1,742	3.75	3.45	3.00	2.80	-0.20	-6.67	-0.65	-18.84
Syria	0.03	0.03	0.03	0.03	1,219	1,219	1,219	1,219	0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00
Iran	0.08	0.08	0.08	0.08	748	748	748	748	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00
Australia	0.38	0.06	0.26	0.30	1,261	2,268	1,591	1,524	2.20	0.63	1.90	2.10	0.20	10.53	1.48	236.00
Mexico	0.24	0.23	0.16	0.16	1,555	1,519	1,429	1,429	1.74	1.57	1.05	1.05	0.00	0.00	-0.52	-33.12
Burma	0.24	0.25	0.24	0.24	637	641	662	662	0.70	0.72	0.73	0.73	0.00	0.00	0.01	0.83
Others	1.73	2.00	1.98	1.97	585	575	560	556	4.65	5.29	5.08	5.02	-0.06	-1.18	-0.27	-5.03

World and Selected Countries and Regions

TABLE 18

The table below presents a record of September projection and the final Estimate. Using world wheat production as an example, the "root mean square error" means that chances are 2 out of 3 that the current forecast will not be above or below the final estimate by more than 1.9 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 3.3 percent. The average difference between the September projection and the final estimate is 8.7 million tons, ranging from 0.9 million to 30.7 million tons. The September projection has been below the estimate 25 times and above 14 times.

RELIABILITY OF PRODUCTION PROJECTIONS 1/

COMMODITY AND REGION	Root mean square error	90 percent confidence interval	Difference between forecast and final estimate				Years	
			Average	Smallest	Largest	Years		
						Below final	Above final	
			Percent				---Million metric tons---	
WHEAT								
World	1.9	3.3	8.7	0.9	30.7	25	14	
U.S.	1.9	3.2	0.9	0.0	2.5	16	23	
Foreign	2.2	3.8	8.7	0.2	30.9	27	12	
COARSE GRAINS 2/								
World	2.2	3.7	17.4	0.2	50.6	30	9	
U.S.	4.2	7.1	7.7	0.2	26.0	25	14	
Foreign	2.6	4.3	15.9	1.0	59.9	29	10	
RICE (Milled)								
World	2.3	3.9	6.3	0.4	24.1	30	9	
U.S.	4.4	7.4	0.2	0.0	0.5	21	17	
Foreign	2.3	4.0	6.3	0.3	24.4	30	9	
SOYBEANS								
World	4.6	7.7	7.1	0.4	27.4	23	16	
U.S.	5.0	8.5	3.0	0.2	10.4	21	18	
Foreign	7.4	12.6	6.6	0.9	29.1	18	21	
COTTON			---Million 480-lb. bales---					
World	4.7	8.0	3.2	0.1	12.6	23	16	
U.S.	6.2	10.6	0.9	0.0	2.4	19	19	
Foreign	5.3	8.9	2.8	0.0	11.3	25	14	
UNITED STATES			-----Million bushels-----					
<i>CORN</i>	4.4	7.4	290	15	885	25	14	
<i>SORGHUM</i>	6.1	10.3	24	0	81	16	22	
<i>BARLEY</i>	4.8	8.1	11	1	36	15	24	
<i>OATS</i>	9.7	16.5	11	0	44	6	32	

1/ Marketing years 1981/82 through 2019/20 for grains, soybeans (U.S. only), and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2018/19, and for 2019/20 the last month's estimate.

2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain